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9

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

MAY 1, 1951



Asimina Triloba

**SEEDS** TREE—SHRUB—PERENNIAL **HERBST BROTHERS**  
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# PERENNIALS

## FOR IMMEDIATE SHIPMENT

The following is a partial list of field-grown plants that have been properly transplanted to give necessary root development.

For a more complete listing and detailed descriptions, refer to our April 4 Wholesale Bulletin No. 2.

If interested in quantity lots, wire or phone for special quotations.

	Per 100
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AQUILEGIA, Crimson Star	12.00
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Fanol	30.00
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# AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

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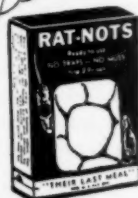
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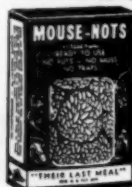
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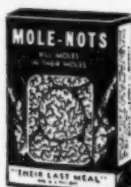
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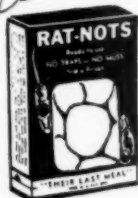
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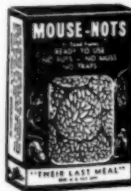
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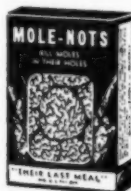
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# AMERICAN NURSERYMAN

F. R. KILNER, *Editor and Publisher*

Joan L. Kilner, *Assistant Editor*

## Editorial

### TOO MANY VARIETIES.

The number of varieties in commerce of the more popular shrubs and some herbaceous plants are a headache to nurserymen, and discussion recurs annually as to a select list of lilacs, crab apples, mock oranges, roses and a good many more. While these select lists are helpful and serve as a guide, none is accepted unanimously. There are variations in soils, climate, other environmental conditions and customers' tastes, from one section to another, or even one locality and another.

In the last analysis, the individual nurseryman will have to do his own selection, and that selection should include those varieties which he can move profitably. There is no point in nor need for his carrying a long list in the hope of having a plant for everyone who asks for a different variety.

The subject was intelligently discussed in a recent issue of the American Rose Society bulletin by the secretary and editor, Dr. R. C. Allen. He admitted that nurserymen had a problem in keeping pace with the introductions of new roses, but he suggested that perhaps what was needed was not fewer potential introductions, but more adequate testing methods. Then he added:

"Why should a nurseryman try to keep pace with all the new introductions anyway, or why should he be embarrassed if he doesn't happen to have a particular variety? The principle doesn't operate in other types of business. Here in Harrisburg there are at least fifty different kinds of bread available, but rarely does one find more than three or four in any one food store.

"In the United States there are approximately 500 varieties of roses being grown commercially. No grower handles them all, and it is rare to find a catalog with more than 150 listed."

### NEWSPAPER ADS.

During the spring months an increasing number of nurserymen employ newspaper advertisements to bring customers to their sales grounds, nurseries or offices, or to sell stock otherwise. Readers of this magazine

like to compare notes with what is done in other localities. So the editor will be pleased if you will mail in clippings of newspaper advertisements you run locally.

### EXPANDING ECONOMY.

Little more than a decade ago, the professional economists were worrying about the future of industrial expansion in this country. The depression brought forward the theory that the country had become mature and that there were no longer the new frontiers for capital and labor to continue the remarkable growth in the earlier eras of this country's history. The railroads were credited with the great expansion in the latter part of the nineteenth century, and the automobile industry was noted as responsible for the expansion in the 1920's. The pessimists wondered where would be found a new industry to carry forward the country's economy in further expansion. Even during the war the debate went on. The pessimistic view of the country's industrial outlook when the production of military supplies would be over was responsible for some critical errors, such as payment of the same wages for a 40-hour week as had been paid for a 48-hour week during the wartime shortage of labor.

After the war there were, certainly, new industries developed, such as television, plastics and the like. But the prime factors in the expansion of the past five years have been the old standbys, the automobile industry and the building industry.

In 1950 were produced over 8,000,000 passenger cars and trucks, or approximately fifty per cent more than were produced in the banner year of 1929. The wholesale value was three times as much and the manufacturers' payrolls were three and one-half times as much as in the earlier boom year.

Similarly, the building industry set a new high record in starting 1,300,000 dwelling units in 1950, as against 937,000 in the previous boom year of 1925. Not only did home building have to make up for the low level during the war and the preceding depression, but it profited from the general state of prosperity, the desire of the people for better homes and the great strides made by the building industry itself, including suppliers of materials and fixtures,

in adapting new home construction to modern living requirements.

To persons engaged in other fields, the nursery industry included, there is a lesson in this experience. It is evident that, while discoveries are important which provide new industries, progress comes also, and perhaps in greater volume, from the improvement in the older industries. Alert leadership, production changes, improved distribution, better merchandise and a public constantly desirous of a higher living standard are all factors that provide larger opportunities in this country.

So long as the American spirit of enterprise is permitted to develop, as it has in the past with but few setbacks, the country's production will be able to rise to new heights. Wartime taxes and controls may hinder progress in this regard, but the man who declares that the ground hasn't been scratched yet, so far as horticultural progress in this country is concerned, is nearer the truth than the pessimist who fears overproduction and stagnation.

### EXPRESS RAISE.

Twenty cents a shipment was authorized by the Interstate Commerce Commission April 16 as a special charge on railway express parcels. It will be effective May 3.

As reported earlier, the express company had applied for an interim rate increase of 25 cents per shipment to meet increased expenses while hearings were being held on a general increase on all commodities. Hearing on this special surcharge was held March 29 and 30 and arguments were heard by the commission April 6. Many industries were represented, including nurserymen and florists.

The I.C.C. decision April 6 authorized 20 cents a shipment on all less than carload shipments except milk, cream, newspapers and corpses. This surcharge is in addition to regular rates. The effective date is fifteen days after the express company's announcement of the raise, or May 3.

Action on express rate docket 5762 on the proposal to change plants, cuttings, etc., from second-class to first-class rates and on docket 5783 on the proposed ten per cent increase in rates on all shipments has been indefinitely postponed by the Interstate Commerce Commission.



# Holly Society Meets at Brooklyn

*By Harry William Dengler, Secretary*

Despite two full days of incessant rainfall, members of the Holly Society of America from New York, New Jersey, Delaware, Connecticut, Pennsylvania, Georgia and the District of Columbia enjoyed their eighth semiannual meeting March 29 and 30 at the Brooklyn Botanic Garden, Brooklyn, N. Y.

## Brooklyn Botanic Garden.

Adverse weather prevented the scheduled tour of the gardens the first afternoon; so, in substitution, Miss Frances Miner presented a brief history and account of the Brooklyn Botanic Garden. Occupying a tract of some fifty acres in the central part of Brooklyn, the Brooklyn Botanic Garden actually is composed of many individual gardens, including those devoted to roses, rock garden plants, wild flowers, herbs, iris, aquatics and ivies. It also contains a 40-year-old model children's garden, an Oriental garden and other horticultural plantings. Wide lawns, flower-covered meadows and shady lanes form connecting links between the various gardens. Over 1,500,000 persons visit the garden each year, Miss Miner added.

Dr. L. G. Nickell, also of the Brooklyn Botanic Garden, discussed his work in the field of plant physiology. His work is divided into two major phases. One deals with the study of abnormal growths, or tumors, on plants. He related that there appears to be some similarity between abnormal growths on both plants and animals. Several symposia have been held recently on this subject. These were primarily concerned with the relationships between the plant and animal field with regard to cancerous growths. There exists a strong possibility, Dr. Nickell believes, that the trigger mechanism which sets off or frees the cells from their normal function might be the same at the cellular level in both plants and animals.

At Brooklyn Botanic Garden studies are also being made of crown galls, tumorous growths induced by chemicals, the effects of various chemical agents on both normal and abnormal tissues and a comparison of the nutritional requirements of normal tissues with those of abnormal tissues.

Dr. Nickell discussed at length the other phase of his work relating to

the culture of embryos by their excision, or removal, from the rest of the seed and their growth in sterile cultures. Today, this is standard procedure for seeds that are difficult or, in some cases, impossible to germinate naturally.

Dr. George S. Avery, Jr., director of the Brooklyn Botanic Garden, welcomed the Holly Society of America to the garden. He complimented the society on the work it is doing in investigating and increasing knowledge of the hollies. Dr. Avery touched upon the important work being done at the garden and stated that, in his opinion, horticultural institutions such as the Brooklyn Botanic Garden should not be just for the idly curious to visit, view their beauty and strew peanut hulls and gum wrappers about. Rather, he believes, such gardens should be used and useful. Consequently, the Brooklyn Botanic Garden carries on a well rounded series of instructional courses for the public, both adults and children.

In his closing remarks, Dr. Avery extended to the society the privilege of using the garden's publication, "Plants and Gardens," for publishing worth-while articles on holly; perhaps an entire issue could be devoted to this subject. The society gratefully accepted Dr. Avery's kind offer.

Throughout the 2-day meeting, William E. Jordan, staff librarian, had on display a large collection of books and magazines containing articles on and references to holly, many of which were rare. Also on display were herbarium specimens of holly collected in many foreign countries.

## Good-will Holly Orchard.

The society's president, C. R. Wolf, who is president of the New Jersey Silica Sand Co., Millville, N. J., presided at the evening meeting March 29. It was an informal social affair at which members presented and discussed colored slides on various aspects of growing and harvesting holly.

Daniel Fenton, also of the New Jersey Silica Sand Co., traced the development of his company's experience in growing and distributing holly from the company's orchard to customers each Christmas. This famous east coast holly orchard was started in 1939 by Mr. Wolf. Colored

slides were shown depicting the amazing change in the orchards each year up to the holly harvest of 1950. This orchard was started on land composed of poor New Jersey sand, but, by good management, it has made phenomenal growth.

It is the company's good-will policy to send each of its customers a box containing fifteen to twenty sprays of holly, a holly corsage and a package of mistletoe each Christmas. The holly sprigs are cut in the orchard and placed in large field crates which are picked up by truck and delivered to a company-owned packing shed. The sprays are picked over and placed in 22x16x8-inch boxes lined with two crisscrossing sheets of wax paper, one red and one white, for attractive appearance. In 1939 the company sent out forty-six boxes; now it distributes over 1,500 boxes containing a total of about 9,000 pounds of holly each Christmas, Mr. Fenton related.

The New Jersey Silica Sand Co. holly orchard was established to insure a continuous supply of holly for the Christmas mailing. It now contains 2,800 trees on its twelve acres. To accommodate and expedite the handling and mailing of the Christmas gift boxes, the post office sends a special mail car direct to a company siding. Here a postal employee weighs and stamps each box. This is done because the local post office is not prepared to handle such a large volume of perishable material at one time.

Another good-will gesture of the New Jersey Silica Sand Co. is to send a gift plant of a holly tree to a customer who has just built or purchased a new home. This stimulates his interest in holly and other landscape plants and also helps the commercial nurseryman. Last year the company gave away seventy-five holly trees in this fashion.

Mr. Fenton mentioned that many problems were encountered in developing the orchard to its present productive status. Deer were a vexing problem, as they did extensive damage by feeding on the holly foliage, especially on hollies of southern origin, and the orchard had to be fenced. The orchard site is in a natural frost pocket, and formerly the trees were often damaged by cold weather in late spring just as the buds were about to break. Several

years ago the company purchased a 30-foot-tall wind machine with two propellers, such as are commonly used in citrus groves on the west coast. It is put into operation whenever the spring temperature falls near 30 degrees. Mr. Fenton observed that often the temperature is 8 degrees warmer at the top of the wind machine than at ground level. The machine's action is such that the upper and warmer air is pulled down, which mixes and warms the air around the trees. This machine performs so satisfactorily that another is to be purchased and erected in the near future.

A finding of interest in the holly orchard is that the trees have grown twelve to fifteen feet tall in eleven years. The early spacing of sixteen by sixteen feet is much too close to permit cultivating, spraying and harvesting in an efficient manner. So all new plantings are made never closer than twenty by twenty feet, with twenty-five by twenty-five feet being preferable.

Bees are essential to producing good crops of berries. Two hives are now maintained on the twelve acres; more could be used except that the company has no use for the honey. The honey, incidentally, is excellent.

Kodachrome slides were also shown by Mr. Fenton of the company's method of moving large holly trees with steam shovels. Fifty-five trees, each fifteen feet tall, were root-pruned, scooped up by shovel and moved as far as two miles with no burlapping, with excellent results.

#### Unsolicited Publicity for Holly.

Herbert G. Sanders, president, Espoma Plant Food Co., Millville, N. J., related how the Millville Rotary Club has capitalized on the ex-

periences of the New Jersey Silica Sand Co. Each December the Rotary members gather wild holly which they sell at \$5 per box of thirty to forty sprays. All proceeds go toward the furtherance of their work in aiding underprivileged children; they receive many repeat orders each year. This group became so well known because of its holly project that it is called the Holly Rotary Club.

Stewart McLean, holly and azalea specialist, at Towson, Md., showed slides of a famous old holly tree near Jackson, Md., which is owned by the Baltimore & Ohio railroad. So far as is known this is the only holly tree owned by a railroad. Undoubtedly, it is now one of the world's most publicized trees.

Mr. McLean mentioned that since 1947 the B & O has run a special train to the tree one evening just before Christmas. Here the railroaders, their guests and visitors participate in an elaborate tree-lighting ceremony. The renowned B & O choir and glee clubs sing carols during a half-hour program, which is carried over a nation-wide radio hookup. As many as 3,000 of the railroad's employees now wear sprigs of holly while on duty during the

(Continued on page 45.)

#### ALL-AMERICA FLOWER SELECTIONS FOR 1951.

Two new flowers, both easily grown annuals from seeds, are All-America selections for 1951.

Torch tithonia, the golden flower of the Incas, sometimes called Mexican sunflower, is a bushy and luxuriantly foliaged plant, carrying many long-stemmed, fiery orange-scarlet flowers. It received the silver medal.

Glitters marigold, winner of the bronze medal, has large, fully double chrysanthemum-shaped flowers of clear yellow, on tall bushy plants.

Torch tithonia is the same fiery scarlet—actually the richer Grenadine red of Ridgeway's color standards—as the Fireball variety. However, Torch is much earlier to bloom. Because of its chest-high, grayish-green bushy plant, it is far more desirable for garden use than its tall branched forerunners.

Torch is classed as a tender annual, stands the summer heat and seems free from all diseases. With the erect, bushy plant reaching about four feet in height and some two feet across, the large leaves make it an attractive foliage plant. Straight and woolly wiry stems support the



Marigold Glitters.

3 to 4-inch single dahlialike flowers with golden center disks. The blooms are suitable for cutting and provide striking arrangements.

Previous tithonias grew so tall and branched so widely that they seemed not to fit into garden plantings unless crowded closely together to restrict their growth. But Torch is reported to confine its growth naturally in a symmetrical attractive plant.

Glitters marigold grows thirty to fifty inches tall and is uniform and bushy erect in habit. The attractive foliage is dark green, a rich background for the clear yellow blooms. On straight stems, 3 to 4-inch double flowers are chrysanthemumlike and have fringed outer petals. Glitters is earlier to bloom than Mammoth Mum and not so tall. It has the growth habit of Golden Bedder, although lighter in color and larger-flowered.

#### ALL-AMERICA VEGETABLES.

Five new vegetables, superior to others of their kind and for their special garden purposes, have received All-America Selections medal awards for 1951.

Gold medals were awarded to a hybrid sweet corn, Iochief, and an icebox watermelon, New Hampshire Midget. Bronze medals went to a hybrid cucumber, Surecrop; a northern or short-season maturing cantaloupe, Granite State, and the first hybrid cabbage, called O-S Cross.

Honorable mention went to two big-eared hybrid sweet corns, Golden State and Big Mo; Urbana tomato, and Prizewinner mustard.

NEWEST nursery at Duarte, Calif., is Ralphs, 2351 East Huntington drive, owned by William Ralphs.



Tithonia Torch.

# Seed Cleaning Studies at Ohio

By B. C. Smith

Since 1948 studies on seed cleaning have continued at Ohio State University, Columbus, O. Most of the research was concentrated on the seeds of *Cotoneaster divaricata*, *C. zabeli*, *Viburnum lentago* and *V. lantana*. The time required for cleaning has been greatly reduced.

For small lots of seeds the Waring Blender was found to be excellent. The glass container should be filled one-third full with fruit; add water until the container is two-thirds full; then place the lid intact, and carefully place the container on the motor. Within thirty seconds the pulp can be removed from seeds of *C. divaricata*, with the blades set as they are with the original machine. Little, if any, damage is noted because of the extremely tough seed coats of this species.

Some seeds, such as those of *C. zabeli*, have much thinner seed coats than *C. divaricata* and will not withstand the blades as originally set. The blades must be reversed so that the blunt edges will strike the fruit. A longer time is required for cleaning, but the damage to the seeds is slight.

The steel blades rotating at such a high speed are highly destructive to *viburnum* seeds. For this genus it was necessary to reverse the blades, as for *C. zabeli*, and cover each blade with rubber tubing. Each side of the blade must be notched toward its center so that the rubber tubing can be wired securely in place. Roughening the surface of the blades and giving them a coat of 3 M rubber cement, produced by the Minnesota Mining Co., should give better retention of the rubber tubing. About two or three minutes' running time is usually sufficient to remove the ripened pulp from *V. lentago*.

If the fruit of *V. lantana* is harvested while the pulp is still soft, a similar treatment should be enough for this species. Once the fruit has dried, as was the case of late fall harvest, it is necessary to soak the seeds in water for about one hour in order to soften the pulp sufficiently for cleaning. A longer time is required for cleaning these seeds, depending upon the toughness of the residual pulp.

The pulp can easily be washed

from any of the seeds processed by the Waring Blender. A hose placed in a tall container so that a strong jet of water is forced on the bottom of the container will float away the empty seeds, pulp and other wastes. And if the flow of water is properly adjusted, only the heavier seeds will remain in the bottom of the container.

These heavy seeds should be thoroughly dried if they are to be stored. Indications are that seeds, if stored dry, should be placed in dry sealed containers, preferably at a temperature about 41 degrees Fahrenheit.

It has been observed that seed coats become very tough when allowed to dry. This factor can be eliminated by chemical or mechanical scarification or by stratification in moist media of one-half sand and one-half peat for several months at 70 degrees Fahrenheit. In order to minimize the seed coat factor contributing to the rest period of the seed, some nurserymen stratify their seeds immediately after cleaning. By this procedure the seeds are not allowed to dry, thus giving less resistance to the expansion of the embryo and germination later. If there are embryo factors contributing to the rest period of the seed, these are usually eliminated by stratification such as suggested above, but at 40 degrees Fahrenheit for several months.

An air gun, shown in the accompanying illustration, has been constructed recently at Ohio State University to crack or remove the seed coats of *viburnums*. The air pressure

used has been less than forty-five pounds per square inch. A section of 1-inch pipe about three feet long is arranged so that the air blast is directed on a tile target. A funnel is fitted into the top of the pipe so that the seeds can be fed rapidly into the stream of air. The target is placed in a tin container which has an air exhaust at the top. The top is covered with  $\frac{1}{8}$ -inch mesh hardware cloth so that a sufficient air exhaust is available.

Practically 100 per cent seed coat fracture is obtained on seeds of *Viburnum lantana* and *V. lentago* if processed three times with the air gun. The seed coats are entirely removed from many varieties of *V. lentago*. The removal of the seed coat of *V. lantana* was an aid to germination. When the seed coats were removed thirty-nine per cent germination was obtained within two and a half months, as compared to no germination for the controls which had the seed coats still intact.

The percentage of breakage of seeds by the air gun was small. It is not likely that a large percentage of embryos of the seeds will be damaged by breakage because the embryo is often less than one-sixteenth inch long and forms only a small portion of the seed.

Thus far the air gun has not given satisfactory results with *cotoneaster* seeds. It is believed that such a device will be practical for use only on those seeds in which the outer seed coat is separated from the rest of the seed by some air space.

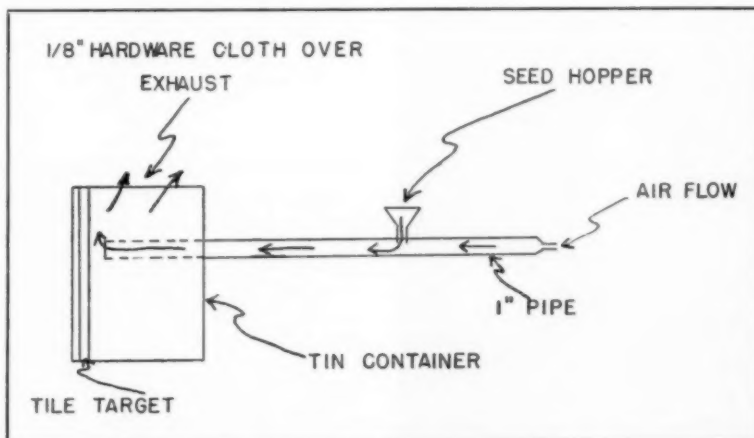


Diagram of air gun devised at Ohio State University to remove seed coats of *viburnums*, making possible practically 100 per cent seed coat fracture.

Summary of a report by B. C. Smith, department of horticulture, Ohio State University, given at the short course for nurserymen, January 24, at Columbus, O.



## COVER ILLUSTRATION.

*Asimina triloba*.

The generic name of the pawpaw, *asimina*, supposedly stems from the French and Indian. This is understandable, since the whole genus, comprising some eight species, is from the southeastern quarter of this country. However, only one species grows large enough to be classed as a tree; the rest are shrubs of doubtful hardiness except in the warmest parts of the country. It is the tree, *Asimina triloba*, which should interest nurserymen and which ought to have a place in ornamental horticulture.

The pawpaw is always found in rich, moist soils and never far up on the hills; it is not necessary that the soil be moist throughout the year, but it must be above average fertility for that immediate area. The plant is often found on the benches alongside Ozark creeks, many of which are dry during most of the season. But the outwash from the hills is often all that is needed to furnish the depth of soil and the fertility to grow a good group of pawpaws.

The seeds are widely distributed by animals, and seedlings can be found quite a distance from the parent tree, each seedling occupying a pocket of good soil and often beginning to grow only after emerging from an especially thick layer of leaf mold. Seedlings which begin growth in the deep shade of a mature forest never produce fruit, even though the species is tolerant of shade and may persist for many years. The pawpaw will grow in full sun and requires the equivalent of full sunshine for one-half the day before producing fruit.



Fruits of Pawpaw.

Ornamentally, the large glossy green leaves are very attractive, but even before they unfold, the flowers, produced in axillary buds of the preceding year's growth, are sufficiently different to warrant special notice. The flowers emerge in early spring. They are a clear green while opening and finally become a lurid purple or purple-brown when mature. They are often two inches in diameter. Ordinarily just a few flowers are produced on certain favored branches; therefore, they excite no comment. But a heavily flowered specimen would certainly be a startling addition to the landscape!

The fruits mature in September and resemble a banana in many ways except that they are shorter. Much of the interior is filled with the large, hard, shiny seeds, and as many as four fruits may develop from a single flower. The fruits are so aromatic that only the strongest stomach—conditioned on Ozark fare—can accept two ripe pawpaws! Ripeness is judged by a darkening and mottling of the green skin, an exact science which determines the edibility or the extent of the nausea. On the whole, the fragrance is pleasing, and the first few bites from carefully selected fruits are delicious and unlike any other native fruits. It is only with the selection of the second pawpaw that the aroma becomes overpowering and the stomach issues a warning to desist. The fruits are extremely perishable and cannot be shipped. Yet there is so much variation in the fruit of a single tree and so much more in the fruit picked from several trees that the pawpaw would appear to be a fit subject for a program of selection and breeding. The pawpaw will live for thirty years; it will develop a trunk eight to ten inches in diameter and bear fruit with considerable regularity from the age of 6 years.

August P. Beilmann,  
Missouri Botanical Garden,  
Gray Summit, Mo.

## CANADA WHOLESALE TRADE.

Wholesale sales of fruit and ornamental nursery stock in Canada during the twelve months ended May 31, 1950, amounted to \$1,929,000, an increase of thirty-three per cent over \$1,453,000 in 1949, according to the report by the Dominion bureau of statistics based on information received from 204 nurseries. Ornamental nursery stock sales were valued at \$1,274,000, and fruit nursery stock sales totaled \$655,000.

Evergreen trees and shrubs were

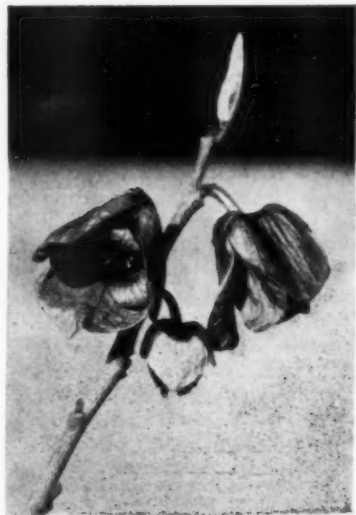
the most important items among ornamental stock sales, being valued at \$390,641 and \$350,784, respectively, followed by rosebushes at \$219,780; ornamental deciduous trees, \$169,154; herbaceous perennials, \$72,285; trees and shrubs intended for shelterbelts and afforestation, \$54,889, and ornamental climbers, \$16,652.

Apple trees were the main class of fruit stock sold, with a total value of \$151,683; cherry trees were next, at \$110,091; peach, \$101,035; plum, \$56,682; pear, \$54,753; raspberry, \$54,443; grape, \$47,872; strawberry, \$33,422; apricot, \$16,043; black currant, \$13,186. Combined sales of blackberry, loganberry, gooseberry and red currant stocks amounted to some \$15,000.

Among the ornamental evergreen trees, juniper was first in sales value, followed by cedar and yew. Elm and maple were most important among ornamental deciduous trees. Chinese elm and barberry were close rivals among ornamental shrubs, and chrysanthemums led the herbaceous perennials. Montmorency cherry was first in the fruit stock sales value, followed by McIntosh apple and Bartlett pear.

TEN acres of farm land on De-Wolf road, Tappen, N. J., has been purchased by Karl Ampssler, where he will build a residence and also grow nursery stock.

ANNOUNCEMENT of the opening of a new garden shop in connection with Stobbart's Nursery, Franklin, Mass., has been made by the owners, Walter F. Stobbart and his son, Fred W.



Flowers of Pawpaw.





# CHARLIE CHESTNUT

## SOUTHWARD BOUND



If any of the members happened to take the Riverbend Gazette, they would have seen the note in the personals that Emil was planning to spend the winter in Florida. Before he left he says, "Chas. when I am on my trip to Florida, I am going to go to work and write my notes everyday, and have them printed in the Gazette like Mrs. Morse when she went to the Bankers Convention in Omaha, only if I couldn't do no better than Mrs. M. I would sooner not take my pen in hand as the saying is."

"Don't forget," I says, "that old Man Morse has got a mortgage on the Gazette for more than its worth, so Ed Streeter has got to print anything from Mrs. Morse, or else he will foreclose the mortgage. It aint likely the Gazette will put in more than two lines about you especially if you dont pay him for this fall's advertising until next summer like you done last year," I says.

"Just remember, Chas.," Emil says, "the advertiser has got the Gazette over a bbl. They know if they turn me down, I will go to work and put both of my spring ads in the Lake Park paper instead, so you just go ahead and put in the stuff like I said, and after each one put Continued next week."

"If I was you, Emil," I says, "I would keep it dark and just put in that you was going to Missouri to your wifes sister, otherwise the members in the convention that you aint paid up like old John Bushbottom is liable to get nasty with you."

"So far as John is concerned," Emil says, "I told him at the convention he would have to take honeysuckle on a trade and the rest of the members I aim to pay off in the spring," Emil says.

Preparations was going on for the trip since last September. The idea got started one rainy day when we stopped into Reds filling station for a game of pinochle. Out in back of Reds place is an old trailer that has been sitting there three or four years. A family of hillbillies was heading north when the outfit broke down on the Lake Park road. The axle broke and the outfit turned over into a ditch. Red hauled it in and the man never came back. It wasn't really a

trailer, but more like a contractors shanty on wheels, made out of wainscoating and mounted on an old model T chassis. Before the afternoon was over Emil traded an old hay rake and \$2.00 for the outfit. Outside of two built in bunks with a couple of old musty mattresses there wasn't a thing in that rig that looked any different than a medium sized chicken house on wheels. It was sagged down on one side where the axle was busted and the two tires was as flat as Emils bank account.

We dragged the trailer home one day and left it sit by the corn crib where it stood until the fall work was about over. Emil haunted the junk yards hunting for a model T axle, but finally gave it up as all the old model T jobs had been boiled up for scrap years ago. So he had to buy a set of wheels and second hand tires of an odd size that you couldn't ever replace if one blew out. Over the following days he kept adding the comforts of living according to his own ideas until Emma, his wife, called a halt and refused to consider the trip unless he took out his set lines which he had rolled up in one corner, his rubber boots and his gun rack, which took up one complete side of the trailer. In the end he built a big box on top which helped to make it more topheavy than it was already and he piled that full of junk, so he could just make it under a 12 foot viaduct.

"Ain't it against the law to use set lines in Florida, Emil?" I says.

"I aim to camp out along the way, Chas." he says. "Like when I get ready to pull in for the night I will camp beside a lake or a good creek some place and then in the morning I will have a nice mess of bull heads for breakfast. A person has got to think of them things, Chas. Furthermore one of the members was telling me that there is plenty of wild chickens and even here and there a wild hog along the road in the south so my goose gun will come in handy. That reminds me, Chas." he said, "don't let me forget my butchering knives in case I get a chance to dress out anything along the road."

The rest of the furnishings in-

cluded a one burner oil stove, a rocking chair, a canvas chair, a card table with one broken leg and a box full of frying pans, coffee pot and assorted dishes. Under the bunk was his pantry, which Emma filled with a bushel of potatoes, a crock full of eggs, 30 cans of canned string beans left from two years ago and two hams hung from the ceiling.

"I aim to call this a business trip, Chas., so I will keep a expense account and then I can deduct everything from my income tax. I aim to make a survey on the honeysuckle situation and see what the members are up to so I can figure according to what the members has got in mind in regards to honeysuckle."

"There ain't no use to go to all that trouble," I says, "as if business turns out like last year, the govt. aint going to waste anytime checking up. Last year you only paid \$7.85 tax and the year before you claimed you lost \$12."

"If all the deals come thru I got started at the convention it is going to be a big year so a good expense account will come in handy. All stuff like fish hooks and shotgun shells I will put in under miscellaneous. And so with not having to buy any coal this winter I will be able to make the trip for practically nothing. I dont see how I overlooked such a good idea all the past winters I sat here at home. And furthermore I plan to make a lot of big deals on the way, I aim to clean up all my surplus stock before I get back in the spring."

It was on the 11th of December at 4 a. m. that Emil shoved off. I found that out at seven when I opened the office, because the phone was ringing. "A collect call from Lake Park," the operator said. "We dont take no collect calls unless its a order," I says. After a few minutes the operator said, "The man says he wants to give a order." It was Emil on the phone. "Im here in Lake Park, one of them smart alec state cops pulled me in on account of I didnt have no lisenche for the trailer. You take the truck and go down to Doc Harts and see if he will let me take the tag off his trailer as he aint go-

(Continued on page 54.)

# Plant Notes Here and There

By C. W. Wood

A correspondent asks for a brief list of material suited to rock garden planting which will give summer and early fall color, the only restrictions being that the plants should not be difficult to obtain and that they be of fairly easy culture. That such a list of rock garden plants is more extensive than a cursory examination would indicate is known to experienced gardeners, but the restrictions named by our correspondent narrow the field somewhat.

Little effort is required to paint pictures in the rock garden during April, May and June, but with the coming of the hot days of July and continuing throughout the rest of the summer, color is not to be had for the mere asking. And we cannot be too particular in our demands, either. A flower that we would scarcely look at during the flush of the season may well be called a treasure in August. The following brief list is not intended to be the last word on the subject, not even the best, in fact, but these plants should give color, much of it pleasing color, over the summer and early fall period.

## Summer Rock Garden Color.

Our correspondent would do well if he investigated the yarrows, for he would there find some good yellows and a few whites. Among the former is *Achillea clypeolata*, a 10-inch plant from the Balkans; *A. holosericea*, a 12-inch plant from Greece, both with a July flowering period; *A. sericea*, which reaches heights to twelve inches and usually produces some color from June through September, and *A. tomentosa*, from southern Europe, which often gives us flowers on 4 to 6-inch stems from June to frost. Among whites he will find *A. argentea*, four to six inches tall, for July; *A. fraasi*, of the same height and blooming period, and the 15-inch *A. impatiens*, from Siberia, for July and August.

Among the sandworts he will find three or four of special value, only one of which, *Arenaria grandiflora*, will be mentioned. Because of the large, pure white flowers freely produced by this plant throughout most of the summer, it could well go into any list of the dozen best rock garden plants.

Our correspondent will want some bellflowers. In addition to *Campan-*

*ula carpatica* and *C. rotundifolia*, usually depended upon for summer bloom, I find *C. pulloides*, a hybrid between *C. pulla* and *C. turbinata*, a delight during July, when it has bluish-purple bells on 5-inch stems. Although it is not quite so easily grown as the first two, it has inherited some of the sturdiness of *turbinata* and should prove not too difficult of culture in a gravelly soil with some shade during the middle of the day.

Sometimes *Ceratostigma plumbaginoides* survives the winter here in northern Michigan, and sometimes it does not. Where it is hardy, few rock garden plants of easy culture are more beautiful during August and the cool weather of autumn, and few of any season can have a more pleasing blue. It did best here in a hot dry spot, a recommendation in

the eyes of most eastern gardeners. Commercial growers usually propagate it from cuttings taken indoors in January and February, but division is more practical if one does not have a greenhouse.

Spring, summer or fall, *Corydalis lutea* supplies golden-yellow color. True, it is more or less of a waif and certainly not permanently perennial, but that makes little difference to gardeners, for it usually self-sows freely, and it blooms within ten weeks of sowing. It adapts itself to almost any situation.

The gardener who depends upon geraniums and their cousins, the *erodiums*, will seldom be disappointed. Their numbers are legion; so only one or two of the better ones will be pointed out now. The silver-leaved crane's-bill, *Geranium argenteum*, is one of the loveliest of the clan, and,

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Robinson	.40	1.25	2.25	8.00
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fortunately, it blooms during July and August. During that time its large salvers, generally pink, are held close to the tufted, silvery foliage, all presenting a picture hard to approach in the entire field of rock garden plants. Nor is *G. argenteum* difficult to grow in the garden so long as the soil is well drained and it is not allowed to become too dry during long droughts.

It is beginning to be apparent that this list is even now too long, but it should not be brought to a close without mentioning the bedding violas. By a little manipulation it is possible to have them in bloom from early spring until snow covers them in early winter, not scattering color, as is often the case with plants with a long blooming season. And in these violas one has a long list of pleasing colors from which to choose.

### Antelope Horns.

I had a letter recently from a Massachusetts reader of this column in which he stated that his experience over a period of years with antelope horns, *Asclepiodora decumbens*, indicates that it is harder than my note here some fifteen years ago would indicate. That is not to be wondered at, either, for my material came from Texas and his came from Kansas. It is to be assumed, then, that plants from the northern part of its range, which extends from Kansas to Utah and southward into Mexico, would probably be hardy in all except the coldest sections.

As you might expect from the name, *A. decumbens* is a decumbent milkweed, though different in most ways from any milkweed easterners will meet in the wild. Nor is it as poorly decorative as most milkweeds; on the contrary, it has more or less sprawling stems ending in 4-inch balls of light green, purple-hooded flowers which are truly decorative, and the succeeding fruit pods, looking like antelope horns, continue to carry the theme into autumn. The plant did well here in our sandy soil in full sun, without our fussing over it, until a severe winter came along and killed it.

### A Good White Bellflower.

About twenty years ago I received from a European correspondent seeds marked *Campanula asiatica*, and the resulting plants later turned out to be one of the best white border bellflowers that I ever grew. But there was no *asiatica* mentioned in any of the books, although "Hortus" now defines it as a "garden name for an erect white-flowered plant," and



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9 to 12 ins., XXX, 3-yr.	.65	<i>Koeleria paniculata</i> ,	
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6 to 10 ins., S, 2-yr.	.05	4 to 6 ins., XX, 3-yr.	.25
<i>Chamaecyparis laws. allami</i> ,	.10	6 to 10 ins., XX, 3-yr.	.35
10 to 15 ins., XX, 2-yr.	.22	<i>Liquidambar styraciflua</i> , S, 1-yr.	.08
<i>Chamaecyparis laws. pendula</i> ,		<i>Philadelphus virginialis</i> , X, 2-yr.	.15
10 to 15 ins., 3-yr.	.15	<i>Picea excelsa</i> , 4 to 10 ins., 2-yr.	.10
<i>Cotoneaster horizontalis</i> , X, 2-yr.	.20	<i>Pieris japonica</i> ,	
<i>Cotoneaster microphylla</i> , 2-yr.	.15	6 to 8 ins., XX, 2-yr.	.45
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<i>Euonymus coloratus</i> ,	.22	<i>Pinus strobus</i> , 4 to 8 ins., 2-yr.	.08
4 to 6 ins., X, 1-yr.	.15	<i>Pinus sylvestris</i> , 4 to 8 ins., 2-yr.	.08
<i>Euonymus fortunei erectus</i> ,	.22	S, 1-yr.	.05
4 to 6 ins., X, 1-yr.	.15	(500 or more at 1000 rate)	.03
8 to 15 ins., XX, 2-yr.	.20	<i>Pyracantha lalandi</i> ,	
12 to 18 ins., XXX, 3-yr.	.35	6 to 12 ins., X, 2-yr.	.20
<i>Euonymus vegetus</i> ,		<i>Quercus palustris</i> , 6 to 12 ins., 2-yr.	.15
4 to 6 ins., X, 1-yr.	.15	<i>Rhododendron hybrid</i> ,	
6 to 8 ins., X, 2-yr.	.20	6 to 8 ins., XXX, 3-yr.	.55
8 to 15 ins., XX, 2-yr.	.25	8 to 12 ins., XXX, 3-yr.	.85
<i>Hex crenata</i> ,		<i>Sophora japonica</i> , 1-yr. sdig.	.08
3 to 5 ins., X, 1-yr.	.15	<i>Taxus capitata</i> ,	
4 to 6 ins., XX, 2-yr.	.20	6 to 8 ins., XX, 3-yr.	.25
6 to 8 ins., XX, 2-yr.	.25	<i>Taxus cuspidata</i> ,	
<i>Hex glabra</i> ,		6 to 10 ins., XX, 2-yr.	.25
6 to 10 ins., XX, 2-yr.	.30	6 to 10 ins., XX, 2-yr.	.35
12 to 15 ins., XXX, 4-yr.	1.00	<i>Taxus media battfield</i> ,	
<i>Hex rotundifolia</i> ,		4 to 6 ins., XX, 2-yr.	.18
3 to 5 ins., X, 1-yr.	.15	6 to 8 ins., XX, 2-yr.	.25
4 to 6 ins., XX, 2-yr.	.20	<i>Taxus media hicksi</i> ,	
6 to 8 ins., XX, 2-yr.	.25	4 to 6 ins., XX, 2-yr.	.18
<i>Juniper, Andorra</i> ,		6 to 8 ins., XX, 2-yr.	.25
6 to 9 ins., XX, 2-yr.	.25	<i>Thuja occidentalis</i> ,	
9 to 12 ins., XX, 2-yr.	.35	4 to 6 ins., S, 2-yr.	.10
<i>Juniperus can. aurea</i> ,		6 to 12 ins., XX, 3-yr.	.20
5 to 8 ins., XX, 2-yr.	.25	<i>Thuja occ. elegantissima lutea</i> ,	
<i>Juniperus glauca hetzi</i> ,		6 to 8 ins., XX, 2-yr.	.25
8 to 10 ins., X, 2-yr.	.25	<i>Thuja occ. globosa</i> ,	
10 to 15 ins., XX, 2-yr.	.35	XX, 6 to 8 ins., 2-yr.	.25
12 to 18 ins., XXX, 3-yr.	.50	<i>Thuja occ. globosa nana</i> ,	
		4 to 6 ins., XX, 2-yr.	.25
		<i>Thuja occ. pilcata</i> ,	
		6 to 10 ins., XX, 3-yr.	.25
		10 to 15 ins., XX, 3-yr.	.35
		<i>Thuja orientalis</i> , 6 to 12 ins., 2-yr.	.10
		<i>Tsuga canadensis</i> ,	
		6 to 8 ins., XX, 3-yr.	.20
		8 to 12 ins., XX, 3-yr.	.25
		<i>Viburnum opulus</i> , S, 1-yr.	.08
		12 to 24 ins., 2-yr.	.18

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my plants did not exactly meet the description of any campanula that I knew. *C. asiatica* seemed to resemble a plant known in gardens as *C. macrantha alba*, which in turn is a form of *C. latifolia*, but the flowers were larger and held more erect, and the lobes narrow-pointed. The flowers were as large as the better forms of the peach-leaved bellflower, though, because of being more deeply lobed, they are not to be mistaken for each other. It was suggested at the time that this bellflower might be a hybrid; of that I cannot say, but it behaved like no hybrid that I know. Unfortunately, it was lost here, and when I searched for it last year, it could not be obtained anywhere. Can any reader tell us where it is to be found?

A height of three feet, more or less, a long blooming season in July, broad masses of broad scalloped leaves and ease of culture should give it a place in our garden.

#### Some Draba Notes.

While we are in the midst of another draba season, I am reminded again of the worth of many of the lesser known kinds. Years ago, when I grew my first draba, I thought it was the most charming mite I had ever seen, and years of companionship with that species, *Draba repens*, and others has served not only to confirm the original opinion, but to endear most of the race to me. Drabas are, for the most part, small, tufted plants of creeping habit, growing best in a full measure of sunshine and light soil. The predominant color of the family is yellow, although white is found often, and in one case to my knowledge a deep purple is to be had.

The last one, which I had in seeds in the 1920's from a correspondent at La Paz, Bolivia, is a curious draba with a half-woody base and deep purple flowers on 6 to 8-inch stems. Notes made at the time cannot be located at the moment, but as I remember now, only two or three plants were brought to maturity. Carried over winter in a protected frame, they flowered freely the second year, producing a good crop of seeds, which were distributed among other investigators, but the plants did not survive the next winter in the open. Whether lack of hardiness or misunderstanding of the plant's needs was the cause, I cannot say. I suspect it may have been a little of each, for this was the only draba, but one, that I ever had any trouble in keeping.

The more commonly grown kinds

are perfectly easy to grow from seeds and are permanent. There is something of a sameness in the yellow-flowered species, but almost every one is useful for a different reason, some flowering in March, others in April and still others in May. We have grown, over the years, more than a score of kinds, and if I were put to it to name the favorite draba among them, I should be at a loss to point it out. Whether it be the powdered foliage of *D. imbricata*, the neat tufted mats of *D. bruniifolia*, or the clustered, deep yellow flowers of *D. rigida*, each has a particular niche to fill which no other kind can supply. The following yellow-flowered kinds are desirable, and, undoubtedly, there are many others that escape memory at the moment. *D. aizoides*; *D. aizoon*; *D. cuspidata*; *D. bruniifolia*; *D. imbricata*, one of the most charming; *D. repens*, which botanists now tell us to call *D. sibirica*, and *D. rigida*.

The white-flowered forms are not so numerous and they have not the showiness of the yellow ones, if such small plants can be said to be showy. The following white ones have shown their worth in trials here: *D. dedeana*, white with a yellow eye; *D. hirta*; *D. fladnizensis*, and *D. gigas*.

*Draba mawi* is said to be a dwarf and compactly tufted white species, but I cannot say about that, for I lost during their first year the only ones I ever had, though they gave much promise during that first season. Their home on the Iberian peninsula might indicate a certain amount of tenderness to cold, but other plants from the same region are hardy here; so I am at a loss for a positive explanation.

#### Hybrid Heucheras.

About forty years ago Lemoine, the French plant breeder, introduced a hybrid between heuchera and tiarella which he called *Heuchera tiarelloides*. Some time after that I saw plants of it in a nursery at Painesville, O., and admired them. The years went by and I lost track of it; then there were seeds offered in European lists as heuchera hybrids, which I promptly ordered. They proved to be what I supposed at the time, and still do, a working over of Lemoine's cross. The hybrids varied not a little, some with the round foliage of tiarella, others indistinguishable from heuchera when not in flower, and most had a complete spike instead of the one-sided affair seen in *H. sanguinea*. And finally, some were upstanding plants

[Continued on page 57.]

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# This Business of Ours

*Reflections on the Progress and Problems of Nurserymen*

By E. Sam Hemming

## A TRIBUTE TO MY FATHER.

I should like to pay a small tribute to my father, not for his horticultural achievements, which are known, but for the spirit that made the man. It is particularly appropriate to describe his lifelong attitude in the light of what we read in our daily papers.

After he had left the Royal Botanic Gardens at Kew, England, some sixty years ago, and had obtained a job with the Gardeners' Chronicle, he found himself with incipient tuberculosis. Determined not to let it get him down, he emigrated to America with the intention of working his way west. Today, of course, he would not be able to gain admittance to this country. But despite his illness, what a vastly more useful citizen he made than many who come and would undermine our institutions!

He borrowed money from his sister, whom he later repaid, landed in this country and first lived on the Bowery, in New York, sick and friendless and 3,000 miles from home. He worked intermittently for a while, although, except for less than a week in Bellevue hospital, he never accepted charity. After about six months he managed to save enough to pay his fare to Colorado. In those days, to encourage migration, tickets to the west were sold quite cheaply.

He arrived in Colorado during the early 90's, when the west was still wild and woolly, the railroad ways were still on, the Cripple Creek gold rush was at its height and those who carried guns were able to use them—not the ideal place for a sick young Englishman 6,000 miles from home. He worked at various jobs and regained his health while working as gardener on the grounds of the Denver & Rio Grande hospital. He lived for sixty years after, and the disease never returned; it would have been hard to convince him that any other treatment would have been so effective.

During his 5-year stay in Colorado, the Bryan silver panic occurred, and money of any kind disappeared from circulation. For eight months he and a partner lived in a cabin in the foothills near the town of Salida, and during that time a total of not more than \$20 passed through their hands. Among other

things they grew truck crops and raised hogs, hauling garbage from a local hotel to feed the hogs.

When the panic subsided, my father found a job with a florist in a greenhouse. While working there he began speculating in gold-mining stock and made enough to pay his debt to his family and take a trip to England and back to this country. In the storybooks he would probably have made a million, but while he was never impoverished after that, he never made a great deal of money and lived in middle-class comfort the rest of his life. He married

and saw his three children graduate from college; he established a modestly successful business and made a host of friends.

With all of his early difficulties and hardships, which could hardly have been more severe, he never felt himself ill used. He looked upon his experiences as a lark and never felt himself a downtrodden slave to capitalism, nor was he bitter about the jobs he had to perform to exist, nor did his abject poverty turn him into a miser. Rather he was eternally grateful to the country in which he was able to make his struggle for health and comfort. When he had earned the small amount of money that enabled him to get started in



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(The seeds from which these trees were grown were hand-picked from blue trees in Colorado.)

	Per 100	Per 1000
19,000 3-year seedlings (3-0), 0 to 3 inches. . . .	\$ 3.00	\$15.00
10,000 4-year, T close (2-2), 3 to 6 inches. . . . .	12.00	60.00

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62,000 3-year seedlings (3-0), 0 to 4 inches. . . .	2.60	13.00
-----------------------------------------------------	------	-------

### PINUS MONTANA MUGHUS. Mugho Pine.

4000 4-year, T close (2-2), 3 to 7 inches. . . . .	8.00	40.00
----------------------------------------------------	------	-------

EXPLANATION OF PRICE LIST: "T close" indicates close transplants. That is the result of small 2-year seedlings that have been root-pruned and transplanted close together and grown for two years. (2-2): The first number indicates the number of years in the seedbed; the second number indicates the number of years in the transplant bed.

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business, he immediately turned to the growing of plants and forgot about money.

Having been brought up in an atmosphere like that, I cannot forget a vivid contrast in spirit that I saw some twenty years ago. In one of our country's leading scientific institutions I met a well educated and brilliant young scientist who possessed a rather disagreeable personality. After several discussions with him, I found he was extremely bitter because in his college days he had had to wait on table in a wealthy fraternity house to earn his way through school. Here was a man with as fine an education as his country could give him, with a fine job and a future limited only by his effort and energy, yet he carried such a deep-seated bitterness that it is easy to see how that type of mind could sell his country into communism.

You could scarcely call my father a hardy pioneer, yet he certainly had the pioneer spirit and the spirit of America, which enabled him to live for eighty-three active years, accomplish so much, make so many friends, beautify so many gardens and die beside the little bed of pansies he was growing for my son Mike.

E. S. H.

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		Per 100	Per 1000	Canadian Hemlock		Per 100	Per 1000
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### AESTHETIC SENSE.

The possession of aesthetic sense or artistic ability is like the possession of a green thumb or what you might call plant sense. It is a talent rather than professional knowledge and is more than likely a combination of a keen perception of beauty, a trained eye and inherent talent.

The nurseryman has often been scolded for practicing landscape designing, more so in the past than at present, yet in one of the two places in which he can be judged he has aroused much favorable critical comment. This is in the flower shows that are held throughout the country each year. Some of the gardens in these shows are designed by strictly professional landscape architects, but a great many are not. Yet literally millions visit, admire, acclaim, enjoy and later attempt to copy these gardens. Surely, that should be the criterion by which one's ability as an artist should be judged.

A person of high intelligence can go through college and learn the mechanics of land use and construction, the growth, habit and life cycle of plants and all the necessary connected sciences and graduate as a professional man, but it does not make him an artist. Similarly, you can teach a man the science of draftsmanship, the technology of pigments and all the secrets of oil painting techniques, but you will not make him an artist, although you might make him a surrealist.

The creation of beauty and its appreciation both can be taught and can be learned; it is best if it is taught by a teacher rather than self-taught, but it is still an art. If the talent is present in an individual, it must be awakened, channeled, trained and then used. Two children of the same relative intelligence may be given piano lessons; after years of teaching and practicing, one may become a concert artist while the other will never progress beyond the mechanics of relatively simple music.

The same can be said of landscape art. One man can arrange plants according to accepted rules and create a stylized picture that is pleasing, while another has an instinct for their use that will instantly grab your attention and make you stand and admire the result.

Beauty, and what beauty is, are extremely hard to define, although there have been many texts written on the subject. The texts cover all sorts of subjects from psychological reactions to harmony, balance, rhythm, color, texture, composition, ad infinitum. But the real criterion

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2-yr.....	2.50	20.00
Linnaeus Rhubarb.....	3.50	25.00
1/2 to 1 in.....	4.50	35.00
1 to 1 1/2 ins.....	6.00	50.00
1 1/2 ins. up.....	8.50	75.00
MacDonald Rhubarb.....	27.50	250.00
Horseradish, 4 to 6-in. cut.....	2.50	20.00

## Miscellaneous

Adams Elder, 12 to 18 ins.....	25.00	200.00
Chinese Chestnuts, 2-yr., 2 to 3 ft.....	80.00	

## Blueberries

	Each	Per 100	Per 1000
Jersey, Rubel and Hancock Varieties.....			
12 to 18 ins.....	55c	45e	35e
18 to 24 ins.....	65c	55e	50e
24 to 30 ins.....	75c	65e	60e

## Gooseberries, Currants

	Per 100	Per 1000
Downing Gooseberry, 2-1.....	\$25.00	\$200.00
2-2.....	20.00	150.00
Red Lake Currant, 2-1.....	16.00	140.00
2-2.....	12.00	100.00

## Ornamental Shrubs

	Per 10	Per 100
Barberry, 15 to 18 ins. (Hedge).....	\$2.50	\$20.00
Red, 15 to 18 ins.....	3.50	30.00
18 to 24 ins.....	4.00	35.00
24 to 30 ins.....	4.50	40.00
Korean, 15 to 18 ins.....	2.50	20.00
Calyculanthus, 12 to 18 ins.....	3.00	25.00
Forsythia spectabilis, 2 to 3 ft.....	3.00	25.00
3 to 4 ft.....	3.50	30.00
4 to 5 ft.....	4.00	35.00
Hydrangea, 12 to 18 ins.....	3.00	25.00
18 to 24 ins.....	4.00	35.00
Kolkwitzia Amabilis, 18 to 24 ins.....	4.00	35.00
2 to 3 ft.....	5.00	45.00
Philadelphus Virginialis, 15 to 24 ins.....	4.00	30.00
2 to 3 ft.....	5.00	40.00
3 to 4 ft.....	6.00	50.00
Ligustrum (Privet), 18 to 24 ins.....	4.50	35.00
Regel Privet, 18 to 24 ins.....	3.50	30.00
24 to 30 ins.....	4.00	35.00
Spiraea Anthony Waterer, 15 to 18 ins.....	4.00	35.00
18 to 24 ins.....	3.50	30.00
Vanhouttei, 3 to 4 ft.....	4.50	40.00
Willow (Salix Caprea) French Pussy Willow, 18 to 24 ins.....	2.50	20.00
2 to 3 ft.....	3.50	30.00

## Ornamental Vines

	Per 10	Per 100
Euonymus Coloratus (Red Wintercreeper), 1-yr., field.....	\$2.50	\$20.00
2-yr., field.....	3.50	30.00
Vegetus (Bigleaf Wintercreeper), 1-yr., stocky, 6 to 9 ins.....	3.50	25.00
2-yr., stocky, 6 to 10 ins.....	4.00	35.00
Honeysuckle, Hall's, 2-yr.....	2.50	20.00

## Lining-out Stock

	Per 10	Per 1000
Barberry, Korean, 12 to 18 ins.....	\$12.50	\$100.00
18 to 24 ins.....	4.00	35.00
Calyculanthus Floridus, 6 to 9 ins.....	5.00	40.00
Chinese Chestnuts, 12 to 15 ins.....	17.50	150.00
Cornus Floridus, T, 12 to 18 ins.....	12.00	100.00
Cydonia Japonica, S, 9 to 12 ins.....	7.50	60.00
Euonymus Vegetus, C, T, 6 to 9 ins.....	20.00	175.00
Kerria Japonica Flore-pleno (Dbl. Globeflower), 2-in. pots.....	12.50	100.00
Ligustrum, Golden, C, T, 6 to 9 ins.....	7.50	60.00
C, T, 9 to 12 ins.....	10.00	75.00
Regel, C, T, 6 to 9 ins.....	10.00	85.00
C, T, 9 to 12 ins.....	12.00	100.00
Philadelphus Virginialis, 6 to 9 ins.....	12.50	100.00
C, T, 9 to 12 ins.....	15.00	125.00

**W. N. SCARFF'S SONS, New Carlisle, Ohio**

Send for Complete List of Fruit Trees and Specimen Evergreens.

of beauty is, does the picture give you an emotional reaction of pleasure when you look at the subject? Does it make you want to stop and look at it and then want to return and look at it? In a great work of art the reaction never ceases, such as a park or a garden that you want to visit time after time, year after year, or a painting whose fame and attractiveness last until the pigments finally disintegrate.

If there is a key to the creation of beauty it is simplicity, and people with aesthetic sense know how to use it. In our own art it was the original idea behind the now misused and misinterpreted mass plantings. It was the enforced simplicity of the colonial gardens which attracts us when we view them at the Williamsburg restorations. An old box garden, the flowering cherries of the tidal basin at Washington, D. C., the dogwoods at Valley Forge and the azalea gardens of the south are samples of this theme.

Since this aesthetic sense or artistic talent is so essentially necessary to the creation of fine examples of landscape design and planting, perhaps the wrong basis is used in judging when we attempt to judge by professional competence rather than by artistic ability.

E. S. H.

## MAPLES LINING-OUT STOCK

Acer saccharum	Per 10	Per 100
3 to 4 ft.....	\$ 3.50	\$ 25.00
4 to 5 ft.....	6.00	50.00
5 to 6 ft.....	7.50	60.00
6 to 8 ft.....	12.00	90.00
8 to 10 ft.....	17.50	145.00

We also have to offer *Acer saccharum* in sizes from 1 1/2-in. cal. up through 10-in. cal.

We can supply *Acer rubrum* in sizes from 1 1/4-in. cal. up to 3-in. cal.

Write for price list.

## BAKER'S NURSERIES

Hoosick Falls, N. Y.

## QUALITY MERCHANDISE AT REASONABLE PRICES VANDERBROOK NURSERIES

MANCHESTER, CONN.

Wholesale Nurserymen Since 1922

## EVERGREENS

### Northern-grown

### CANADIAN HEMLOCK AMERICAN ARBORVITAE BALSAM FIR

	Per 100	Per 1000
2 to 4 ins., sdgls.....	\$ 1.00	\$ 5.00
3 to 6 ins., sdgls.....	2.00	10.00
* 6 to 9 ins., sdgls.....	3.00	20.00
* 9 to 12 ins., sdgls.....	7.00	45.00
* 12 to 18 ins., sdgls.....	9.00	70.00
* 18 to 24 ins., sdgls.....	25.00	

\*Limited quantity of Arborvitae.

Freshly collected, Well rooted, Puddled and packed in sphagnum moss. Catalog of plants, ferns, etc., on request.

**WILLIAM CROSBY HORSFORD**  
CHARLOTTE, VERMONT

## KOSTER NURSERY

Division of Seabrook Farms

Wholesale Nurserymen

BRIDGETON, N. J.

\*\*\*\*\*

Specializing in the propagation of grafted lining-out stock of all kinds. Write for our new list of lining-out stock.



## NORTHERN-GROWN LINING-OUT STOCK

<i>Betula papyrifera</i>	Per 100	Per 1000
1 to 2 ft.	\$ 6.00	\$50.00
2 to 3 ft.	8.00	70.00
3 to 4 ft.	25.00	....
4 to 6 ft.	40.00	....
<i>Clethra alnifolia</i>		
6 to 12 ins.	6.00	50.00
<i>Ilex verticillata</i>		
1 to 2 ft.	6.00	50.00
<i>Syringa vulgaris</i>		
1 to 2 ft.	6.00	50.00
<i>Viburnum cassinoides</i>		
1 to 2 ft.	6.00	50.00

## EVERGREENS

<i>Abies balsamea</i>		
4 to 8 ins.	4.00	25.00
8 to 12 ins.	5.00	60.00
<i>Thuja occidentalis</i>		
4 to 8 ins.	4.00	25.00
8 to 12 ins.	5.00	40.00
<i>Tsuga canadensis</i>		
4 to 8 ins.	4.00	20.00
8 to 12 ins.	6.00	50.00

## EVERGREEN TRANSPLANTS

<i>Thuja occidentalis</i>		
6 to 9-in. trans.	8.00	75.00
<i>Tsuga canadensis</i>		
4 to 8-in. trans.	12.00	100.00
8 to 12-in. trans.	18.00	....
12 to 16-in. trans.	30.00	....

The above stock is first-quality collected lining-out stock, except as otherwise noted. Send for complete list of Hardy Native Ferns, Lilies, Orchids, Wild Flowers, Trees, Shrubs and Evergreens.

**ISAAC LANGLEY WILLIAMS**

P. O. Box 352  
EXETER, NEW HAMPSHIRE

## ORNAMENTAL EVERGREENS

### Trees & Shrubs

## BAGATELLE NURSERY

P. O. Huntington Station, N. Y.

## AZALEAS

Broad-leaved Evergreens and a general line of quality ornamentals.

**THE TANKARD NURSERIES**

EXMORE, VA.

## BURR

Leading wholesale source for  
Nursery Stock

Send us your Want List.

**C. B. BURR & CO., INC.**  
Manchester, Conn.

We grow good Evergreen Liners,  
Seedlings and Transplants

Ask for our Wholesale List.

**The STEDMAN NURSERIES**  
NEWFANE, N. Y.

## OBITUARY

**Ernest H. Niles.**

Ernest H. Niles died of a heart condition February 5 at his home at Hartland, Wis. He was 68 years old.

Born at Swanville, Ind., Mr. Niles became associated with the White Elm Nursery, Watertown, in 1906. The nursery was moved to Oconomowoc a short time later and in 1925 to its present location at Hartland. Mr. Niles was president and manager of the nursery from 1916 to 1948, after which he became associated with the McKay Nursery Co.

Mr. Niles served as president of the Wisconsin Nurserymen's Association for several years. He also was a village trustee and a member of the First Congregational church.

Surviving are his widow, Lizzie; a daughter, Virginia, Hines, Ill.; two sons, Allen, Las Cruces, N. M., and Donald, Milwaukee; three grandchildren, and a brother and sister.

**Arturo Ansaloni.**

Arturo Ansaloni, 50, founder of the nursery and seed firm at Bologna, Italy, bearing his name, died March 29 after a short illness. Mr. Ansaloni started the nursery twenty-five years ago, and it is now considered one of the leading and most progressive firms in Italy.

He is survived by his widow; a son, Dr. Edo Ansaloni, and three brothers, Cesare, Alfredo and Mario.

**Paul Abele.**

Paul Abele, partner in Abele Bros., New Orleans, La., died March 22 while attending church services. He was 83.

Born in Germany, he came to New Orleans and started his career in the florists' business. In 1894 he and his brother opened their New Orleans firm. For many years they also operated a nursery at Shrewsbury. Mr. Abele had served as president and secretary of the New Orleans Horticultural Society.

Survivors, in addition to his brother, are three daughters, Mrs. L. J. N. du Treil, Miss Lucie E. Abele and Mrs. P. J. Cussen; four sons, Paul L., Frank R., Robert O. and Edmund K., of Thorley's House of Flowers, New York, and a sister.

**Peter Bisset.**

Peter Bisset, nurseryman and horticulturist, died March 28 at the home of his son at Bethesda, Md. He was 79 years old.

Born in Scotland, he became a

## HEMLOCK LINERS

(*Tsuga Canadensis*)

6 yrs. old, bushy, twice  
trans., heavy roots.

Each

12 to 15 ins., xx. .... 30c

## TAXUS NANA

Guaranteed the genuine  
*brevifolia*. Fall pruned to size  
indicated. 4-yr.

Each

8 to 12 ins., xx. .... 50c

Order in lots of 25.

For 100 assorted, your  
choice, deduct 10 per cent; for  
250 assorted, deduct 15 per  
cent. Cash, please.

Packing free

**MOUNTAINVILLE FOREST NURSERIES**

Lebanon, N. J.

## QUALITY LINERS

Per 100

Red-flowering Dogwood

6 to 10 ins., grafts (1-yr.) .... \$60.00

Canadian Hemlock

5 to 12 ins., trans. (sheared) .. 17.50

Magnolia S. Nigra (red)

8 to 15 ins., trans. (own-root) . 75.00

Send for new Spring List.

**POSSUM HOLLOW NURSERIES**

6327 Magnolia St.

PHILADELPHIA 44, PA.

**FINISHED  
STOCK & LINERS**

**LAIRD'S  
NURSERIES**

Route 2

RICHMOND, VA.

5 mi. west of city

on Broad St. Road

## PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

**LESTER C. LOVETT**

MILFORD

DELAWARE

## SHEPARD NURSERIES

Growers and Distributors of

**ORNAMENTAL NURSERY STOCK**

Truckloads only, no boxing.

60 acres growing.

Skaneateles, N. Y.

citizen of this country in 1899. He served with the bureau of plant industry of the U. S. Department of Agriculture in the office of foreign seed and plant introductions at Washington, D. C., for many years.

Mr. Bisset had been a member of the International Jury Awards of the Panama Pacific Exposition in 1915. He was a former secretary of the Washington Florists' Club, vice-president of the American Carnation Society, director of the American Rose Society and a member of the American Breeders' Association. He also was the author of a book on water gardening, published in 1907.

Among his survivors is a son, Lawrence, florist of Malvern, Pa.

#### Ernest Hemming.

Funeral services for Ernest Hemming were held April 4 at Christ Episcopal church, Easton, Md., with a Masonic service by Coats' lodge. Attendance at the funeral was large, and the floral tributes were many, as Mr. Hemming had had many friends. Mr. Hemming died suddenly, March 31, at the age of 83, and his obituary was published in the preceding issue.

His passing is deeply regretted by his many friends in the nursery trade, and a particularly appropriate tribute comes from one of Mr. Hemming's long-time friends, Albert F. Meehan, Dresher, Pa., who writes:

"It is with deep regret that I learn of the death of an old friend, Ernest Hemming. It seems that I had known him all my life, as he came to Meehan's nursery when I was a small boy, and I had never lost touch with him.

"I remember quite well when he was working on the hybridization that resulted in the Meehan's Mallow Marvel, and his enthusiasm for the plant, as well as his love for the more unusual type of plants growing in the old nursery at Germantown.

"His writings were all interesting, and you could depend on his statements as being authoritative.

"There are not many of the old school left to us, and we all feel a loss when one of them passes on."

UNDER the management of Dewey C. Sharp and Ned Dill, a new nursery was opened at Wewoka, Okla., in March.

INTERESTED in adding nursery stock to his roadside market business, Gerald D. Groff has applied for a Pennsylvania nursery inspection license for Groff's Farm Market & Gardens, Route 1, Colmar, Pa.

## Lining-out Stock FINAL SPRING LIST

This list includes several items on which digging shows stock to be in excess of earlier estimates.

Also a few special grades, as **Colorado Blue Spruce**, X, 2 to 6 ins.: **White Birch**, 2-0, 4 to 10 ins.: **Dwarf Mugho Pine**, 2-2, 2 to 4 ins.

All stock is northern-grown in our own nursery, of good quality, with good fiber root system.

	Per 100	Per 1000
European Mountain Ash, 2-0, 12 to 24 ins.	\$10.00	.....
European Mountain Ash, 2-0, 6 to 12 ins.	6.00	\$50.00
White Birch, 2-0, 4 to 10 ins.	4.00	30.00
Colorado Blue Spruce, X, 6 to 9 ins.	15.00	.....
Colorado Blue Spruce, X, 2 to 6 ins.	6.00	50.00
Colorado Blue Spruce, 3-0, 4 to 8 ins.	7.00	40.00
Colorado Blue Spruce, 3-0, 2 to 4 ins.	4.00	25.00
American Arborvitae, 2-2, 6 to 9 ins.	9.00	75.00
American Arborvitae, 2-2, 4 to 6 ins.	7.50	60.00
Dwarf Montana Mugho Pine, 2-2, 4 to 6 ins.	15.00	.....
Dwarf Montana Mugho Pine, 2-2, 2 to 4 ins.	8.00	.....
Dwarf Montana Mugho Pine, 3-0, 2 to 4 ins.	4.00	25.00
Ponderosa Pine, 2-0, 2 to 5 ins.	5.00	25.00
Black Hills Spruce, XX, 6 to 9 ins.	20.00	.....
Austrian Pine, 2-0, 1 to 4 ins.	4.50	30.00
Scotch Pine, 2-2, 6 to 12 ins.	10.00	.....

	100	1000	5000	10,000
Scotch Pine, 2-0, 3 to 8 ins.	\$4.50	\$25.00	\$120.00	\$220.00
Scotch Pine, 2-0, 1 to 3 ins.	3.00	18.00	80.00	150.00

Approximately 50,000 Scotch Pine seedlings total available in both sizes.

TERMS: Cash with order, please, for spring shipment. 25 at 100 rate, 250 at 1000 rate. Minimum quantities: Not less than 50 seedlings and not less than 10 transplants. Minimum order: Not less than \$5.00.

SHIPPING: Express Collect; or, if preferred, Parcel Post.

PACKING: Prices include packing.

## MATTHEWS NURSERY

Phones: 123 or 732

HARBOR SPRINGS, MICHIGAN

## EARLY-BEARING FRUIT TREES

	Each	Per 10	Per 100
APPLE, 2 and 3-yr., 6 to 7 ft.	\$0.60	\$ 5.00	\$ 40.00
Lodi, Summer Rambo, Double Red Delicious, Rome Beauty, Virginia Beauty, Winesap, Yellow Delicious, York Imperial.			
5-in-One Apple Trees, 3-yr., 3 to 5 ft.	1.50	12.50	100.00
PEACH, 5 to 7 ft.	.75	6.00	50.00
Brackett, Golden Jubilee, Halehaven, Elberta.			
CHERRY, Sweet, 5 to 7 ft.	1.25	10.00	90.00
Black Tartarian, Napoleon.			
KIEFFER PEAR, 6 to 7 ft.	.55	5.00	45.00
7 to 8 ft.	.80	7.00	65.00
PLUM, 6 to 7 ft.	1.00	8.50	75.00
Abundance, Burbank.			

## WAYNESBORO NURSERIES

WAYNESBORO, VIRGINIA

## ROBERTS NURSERY CO.

Wholesale growers of Dependable

FRUIT TREES

We solicit your list of wants.

DANVILLE, N. Y.

## POTTED GRAFTS FOR SPRING 1951

	Per 100
Cornus Florida Alba Plena	\$45.00
Cornus Florida Pendula	45.00
Cornus Florida Rubra	45.00
Fagus Sylvatica Riversi (Purple Beech)	65.00
Magnolia Soulangeana	60.00
Magnolia Soulangeana Nigra	60.00
Pinus Cembra	50.00
Pinus Strobus Nana	50.00
Pinus Strobus Pendula	50.00
Thuja Occidentalis Douglasi (Spiralis)	40.00
Thuja Occidentalis Elegantisima	40.00
Thuja Occidentalis Lutea (George Peabody)	40.00
Thuja Occidentalis Nigra	40.00
Thuja Occidentalis Pyramidalis	40.00
Thuja Occidentalis Rosenthalii	40.00
Thuja Occidentalis Wareana (Sibirica)	40.00
Tsuga Canadensis Heterophylla	40.00
Tsuga Canadensis Mertensiana Compacta	40.00
Tsuga Canadensis Sargenti	45.00
Wistaria Multijuga (Lavender)	50.00

No packing charges. 25 per cent deposit on all C.O.D. orders.

Complete list of liners on request.

### VAN DINE NURSERY

Berdan Ave., R. D. 4

Breakneck, Paterson, N. J.

## LAST CALL! LINING-OUT EVERGREENS

BIOTA, 2-in. pots, \$22.50 per 100

(As pretty as we have ever grown, which means they are right good.)

Baker  
Berckmans Golden  
Berckmans Dwarf Golden (Globosa)  
Chase's Golden (Upright, Narrow)  
Compacta (Green Columnar)  
Elegantissima (Broad Base, Golden Pyramid)

**CHASE NURSERY COMPANY**

CHASE, ALABAMA



J. R. Boyd, President      John T. Boyd, Vice-president  
H. B. Stubblefield, Supt.

**FOREST NURSERY Co.**

McMinnville, Tenn.

Established 1887      Long Distance Phone No. 234

Growers and Wholesale Dealers

**SHRUBS, FOREST and SHADE TREES,  
EVERGREENS, VINES and CREEPERS**

Trade list mailed on request.

## NORTHERN-GROWN EVERGREENS

**SPRUCE - JUNIPER**

**TAXUS - ARBORVITAE**

Write for list.

**BROWN DEER NURSERIES**

P. O. Box 1747

Milwaukee 1, Wis.

## AMERICAN NURSERYMAN

### STUDY BURLAP PRICES.

Representatives of the secondhand burlap bag industry met with Office of Price Stabilization officials at Washington, D. C., last month, for the purpose of presenting their views on pricing used bags. The informal meeting was requested because many members of the industry were in Washington attending a meeting of the National Burlap Bag Dealers' Association.

Most members of the industry expressed the opinion that it would be difficult to set up an equitable formula for pricing secondhand bags until a formula for pricing new burlap bags is determined, because the price of secondhand bags is normally tied to a large extent to new bag prices. They stated that the situation is further complicated by the fact that since India, the chief supplier of burlap, has removed ceiling prices formerly in effect, American buyers are facing price difficulties in the import market with burlap prices soaring.

Some concern was expressed as to the possibility of a new bag shortage in the event the present situation with respect to imports of burlap is prolonged.

Members of the industry also contended that a dollars and cents ceiling on burlap would basically control secondhand bag prices.

### NEW YORK THROUGHWAY.

Landscape plans have been made for the first twenty miles of the 525 miles of throughway plus arterial connections to be constructed in New York state, and the first planting contract for the throughway is to be let this spring.

If present construction and planting plans are followed, it is estimated that during the next ten years the throughway will require 50,000 shrubs, 25,000 major trees and 5,000 minor trees. These figures have been determined on the basis of the first planting, which calls for 1,000 shrubs per mile, 500 major trees per mile and 100 minor trees per mile. It is estimated that about fifty miles of the throughway would be planted each year.

These figures represent only planting on the throughway outside cities. Planting in cities along arterial highways connecting with the throughway will probably exceed these. Cooperation between nurserymen and their local organizations with the landscape bureau of the New York department of public works in the location and procurement of the





## Growers at Wholesale of a General Line of HARDY NORTHERN STOCK JEWELL NURSERIES, Inc.

Write for Price List.

Box 457, LAKE CITY, MINN.

volume of material needed for landscaping the thoroughway will be necessary to prevent establishment of nurseries by the Throughway Authority, an independent agency financed by tolls.

### NEW DEGREE AT FARMINGDALE.

Halsey B. Knapp, director of the Long Island Agricultural and Technical Institute, Farmingdale, N. Y., a unit of the state university of New York, announces that the institute has been authorized to grant the degree of associate in applied science in all curriculums, including ornamental horticulture. Senior students of the institute who conclude their studies in June, 1951, will be the first graduates to receive this degree.

Authorization to grant the degree was given by the board of regents through the state university of New York, of which Farmingdale Institute is a member unit. The authorization followed a careful and detailed examination of the teaching personnel, laboratories, library, instructional standards and facilities of the institute.

The Long Island Agricultural and Technical Institute was founded in 1912 as an agricultural training school. During its thirty-nine years of service, it has adjusted its programs and expanded its offerings to meet the changing needs of youth and a developing technology.

RECENT recipient of a Missouri nursery inspection certificate is James L. Cox, 1000 North Robberston avenue, Springfield, Mo., who plans to enter the retail nursery business soon.

FIRE last month completely destroyed the 24x60-foot warehouse of the Shady Lawn Nursery, Hammon-ton, N. J. The building contained no plants, but the loss of machinery, paper and supplies was estimated at about \$2,000.

### MAGNOLIA SOULANGEANA OWN-ROOT PLANTS

The 3 to 4-foot plants have some buds, and the larger sizes are well budded.

	Per 10	Per 100
3 to 4 feet, B&B.....	\$62.50	\$575.00
4 to 5 feet, B&B.....	75.00	700.00
5 to 6 feet, B&B.....	90.00	850.00

### BRYANT'S NURSERIES

Arthur Bryant & Son  
PRINCETON, ILLINOIS

#### PYRAMIDAL ARBORVITAE

Monroe, Michigan, Grown.  
These are fine, full, uniform specimens.

	Each per 10
2 to 3 ft.....	\$2.75
3 to 4 ft.....	3.75
4 to 5 ft.....	5.00
5 to 6 ft.....	6.50

#### WOODWARD GLOBE ARBORVITAE

Each per 10

12 to 15 ins.....	\$1.35
15 to 18 ins.....	1.75

#### CHOICE BOXWOOD

Buxus Sempervirens. Hardy-grown at our Virginia branch from Monroe cuttings.

	Each	Each
12 to 15 ins., B&B.....	\$1.80	\$1.65
15 to 18 ins., B&B.....	2.20	1.95

#### TAXUS MEDIA HICKSI

Fine heavy plants.

	Each	Each	Each
	1 to 4	5 to 9	10 up
1½ to 2 ft.....	\$4.90	\$1.65	\$4.40
2 to 2½ ft.....	6.60	6.35	6.10
2½ to 3 ft.....	8.50	8.25	8.00

#### Michigan-grown Fruit Trees

We have a fine assortment of Apple, Pear, Cherry, Plum and Peach. Fruit trees are really selling again.

#### Shrubs and Roses are scarce.

We have fine shrubs in quite a few varieties to wholesale, but the supply is not too large. This is also true on roses.

Send us your want list at once for immediate quotation.

### ILGENFRITZ NURSERIES, Inc.

MONROE

The Monroe Nursery

MICHIGAN

## BROAD-LEAVED EVERGREENS, CONIFEROUS EVERGREENS, DECIDUOUS MAGNOLIAS, SHRUBS, etc.

Lining-out and finished grades. Quality stock at prices you can afford to pay. See our list in the classified ad section.

### T. G. OWEN & SON, Inc.

COLUMBUS, MISSISSIPPI

"True Varieties" Is Not a Boast... It's A HABIT!

#### ROSEBUSHES

For 1951-52  
Licensed Grower,  
All-America  
Introductions.

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## NURSERY CO.

P. O. Box 867-D TYLER, TEXAS Wholesale Catalog.  
TIMELY DELIVERIES FROM REFRIGERATED STORAGE.

#### PECAN TREES

WALNUT and  
PERSIMMON

Telephone 1402

# Boyd

NURSERY COMPANY

### FOR FALL DELIVERY 1951

Our Specials in Lining-out Stock Include:

Pink-flowering Dogwood   Evergreens   Hedge Plants  
Flowering Shrubs  
Shade Trees and Vines

Trade list mailed  
on request.

Inc., McMinnville, Tenn.

## PFITZER JUNIPER LINERS

In plant bands for field planting.

Big heavy plants (larger than last year) in a solid cube of dirt. Special improved packing.

Our customers frequently tell us that they start digging our banded Pfitzers in 18 months to 2 years.

6 to 8 ins., 14 1/2 c.

Also

**Greek, Irish and Euonymus Patena.**  
6 to 9 ins., in plant bands, 14 1/2 c.

**Euonymus Coloratus.** Branched, field, \$16.00 per 100. 300 or more total order, \$14.50 per 100.

1-yr. cuttings, \$5.00 per 100.

Summer-rooted liners, 5c.

Free Samples on Request.

All orders solicited, large or small.

Wherever you look there's a home to be planted.

**McININCH GREENHOUSES**  
ST. JOSEPH, MO.



The **CHRYSANTHEMUM CATALOG** you cannot afford to be without.  
**WONDERLAND NURSERIES**  
Ellerson, Va.

### Old English BOXWOOD

(Wholesale Only)  
SELLING OUT. Specimens 20 x 36 ins. and up; also very large specimens. No smaller stock left. Special discounts on carload or truckload orders. Prices on request. Inspection invited.

**BOXWOOD GARDENS**

Mrs. R. P. Royer

High Point, N. C.

### WE OFFER TO THE NURSERY TRADE

surplus  
PEACH, SOUR CHERRIES, ORNAMENTAL SHRUBS and LINING-OUT STOCK.

Send us your list for quotations for Spring, 1951, delivery.

**THE PONTIAC NURSERY CO.**  
ROMEO, MICH.

## Coming Events

### MEETING CALENDAR.

May 7 and 8, Georgia State Nurserymen's Association, Henry Grady hotel, Atlanta.

May 15, Plains Nurserymen's Association, Midland, Tex.

May 20 to 22, Florida State Florists' and Nurserymen's Association, Tampa.

May 20 to 22, Louisiana State Horticultural Association, Heidelberg hotel, Baton Rouge.

May 22 and 23, short course for nurserymen, California State Polytechnic College, San Luis Obispo.

June 10 to 12, Alabama State Nurserymen's and Florists' Association, Admiral Semmes hotel, Mobile.

June 12 and 13, Oregon State College short course, Corvallis.

June 12 to 14, Texas A. and M. College short course, College Station.

June 13 and 14, Kentucky Nurserymen's Association, Gilbertsville.

June 17, Association of Kansas Landscape Architects, Salina.

June 24 to 26, Mississippi Florists' and Nurserymen's Association, Edgewater Gulf hotel, Gulfport.

June 26 and 27, Missouri short course for nurserymen, Tiger hotel, Columbia.

July 12 and 13, conference in nursery and landscape management, Michigan State College, East Lansing.

July 15 to 19, American Association of Nurserymen, Roosevelt hotel, New Orleans, La.

August 6 and 7, National Mail Order Nurserymen's Association, Hotel La Salle, Chicago.

### FLORIDA PLANS.

Officers and directors of the Florida State Florists' and Nurserymen's Association met April 3 at the Tampa Terrace hotel, Tampa, with committee chairmen to hear of the progress being made with plans for the association's annual convention, which will be held May 20 to 22 at the Tampa Terrace hotel.

After the president, Mrs. Bruce Powell, had called the meeting to order, the convention chairman, William Nipper, gave a general progress report and then introduced the local committee chairmen to give individual reports.

Registration has been set at \$15, and this will cover not only convention registration, but the evening entertainments, a buffet supper Sunday, a barbecue and dance Monday and the president's ball and banquet Tuesday, and the \$5 fee for annual membership dues.

The following committee chairmen reported: Jack O. Holmes, nursery; Brice Burnett, treasurer; Phil Phillips, trade exhibits; Viola Curry,

*Minnesota Grown*

**FLOWERING CRABS  
ORNAMENTAL TREES  
and SHRUBS**

Fruit Trees and Berries

.....  
**Complete Selection  
of Fine Roses**

Write for our Free Wholesale Catalog

**Andrews**

NURSERY COMPANY

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FARIBAULT, MINN.

**SPECIMEN  
LANDSCAPE MATERIALS**

*Our Specialty*

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**W. A. NATORP CO.**

Cincinnati 29, Ohio

### NORTHERN-GROWN STOCK

Evergreen Liners

Specimen Evergreens

Ornamental Shrubs

Fruit Trees

Plum Seedlings

(Prunus Americana)

Philadelphus Minnesota Snowflake  
(Plant Patent No. 538).

Send for list.

**J. V. BAILEY NURSERIES**

ST. PAUL 6, MINNESOTA

### BROWN'S YEW

(Taxus browni)

2-year transplants, \$40.00 per 100.

**NEWPORT NURSERY CO.**

NEWPORT, MICH.



**PEONIES IRISES  
DAY LILIES POPPIES**

ALL YOUNG-GROWN STOCK

PROMPT SERVICE

Send for Wholesale Prices.

**C. F. WASSENBERG**

4 1/2 Miles East on U.S. 30

YAN WERT, OHIO

"The Peony City"



### EVERGREENS

Growers of Quality Evergreens

Lining-out Stock a Specialty

Write for Trade List

**EVERGREEN NURSERY CO.**

Established 1864 : STURGEON BAY, WIS.

## WE HAVE IN QUANTITY

Apple, 2 and 3-yr.  
Pear, 2 and 3-yr.  
Cherry, 1 and 2-yr.  
Plum, 1 and 2-yr.  
Apricot, 1 and 2-yr.  
Peach, 1-yr.

Thurlof Weeping Willow,  
5 to 6 ft., up to 2-in.

Lombardy Poplar, 5 to 6 ft., up to 2-in.

Arborvitae, Pyramidal; Juniperus columnaris, glauca, keteleeri, Hill's Dundee, up to 3 1/2 to 4 ft. Pfister Juniper, 15 to 18 and 18 to 24 ins. Austrian and Scotch Pine, heavily sheared, 4 to 5, 5 to 6 and 6 to 7 ft.

**C. M. HOBBS & SONS, Inc.**

Phone: Indianapolis, Belmont 1812  
BRIDGEPORT, IND.

## LAKE'S SHENANDOAH NURSERIES

Shenandoah, Iowa.

Wholesale growers of  
a fine assortment of

## GENERAL NURSERY STOCK

Your inquiries will be appreciated.

### HARDY MUMS.

Clean rooted cuttings.

### HARDY PHLOX.

Liners and field-grown.

### EUONYMUS.

2 1/4-in. pots and 1-year field-grown.

An excellent assortment of varieties in all of the above items. Ask for our descriptive wholesale list.

**CUNNINGHAM GARDENS, Inc.**  
WALDRON, IND.

**BURTON'S**  
HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
Write!  
RARE ITEMS YOU DO NOT  
FIND IN MOST LISTS!  
**HILLTOP NURSERIES**  
CASTOWN, OHIO



Wholesale growers of the best  
Ornamental Evergreens  
Deciduous Trees  
Shrubs and Roses

Write for our current trade list.

**THE KALLAY BROTHERS CO.**  
Painesville, Ohio

## WELLER'S PERENNIALS

With That Wonderful Root System

Headquarters for

**HARDY MUMS AND PHLOX.**

Ask for our Perennial Catalog.

**WELLER NURSERIES CO., Inc.**

Leading Perennial Growers

HOLLAND, MICH.

publicity; Joe Powell, T. D. S.; Ed Nelson, F. T. D.; Alice Barndt, decorations; John E. Florence, registration; Edith Blackburn, program; T. D. Kaden, design school, and Mr. and Mrs. Frank Dery, entertainment.

Others attending the meeting were Charles F. Coffey, Jr., vice-president; Calvin D. Kinsman, past president; M. J. Dactwyler, Mrs. William Nipper, Mrs. Joe Powell and Coley Pike.

## KENTUCKY SUMMER MEET.

The dates for the summer meeting of the Kentucky Nurserymen's Association have been set for June 13 and 14, although several members are planning to spend an entire week beginning June 10 or 11 at Kentucky Dam Village state park, Gilbertsville, where the meeting will again be held.

Nurserymen from other states are invited to attend. Reservations may be had by writing Mr. Knight, manager at the park.

## LONDON CONFERENCE.

The Royal Horticultural Society announces a conference on the breeding of garden plants to be held at its headquarters, London, England, July 10 to 12. The conference will be followed by excursions, July 13 and 14, to famous horticultural places.

Besides notable figures in British horticulture who will participate in the conference, speakers will include Dr. Donald Wyman, of the Arnold Arboretum, Jamaica Plain, Mass.; W. R. Leslie, superintendent of the Dominion experimental station at Morden, Man., Canada, and Dr. S. L. Emsweller, of the United States Department of Agriculture plant industry station, Beltsville, Md.

Particulars of arrangements and copies of the program may be obtained by application to the society's office, Vincent Square, London, S. W. 1, England.

## WELCOME TO BRITAIN.

Hoping that some nurserymen from the United States will be visiting England this year during the Festival of Britain, Brinkman Bros., Ltd., which operates the Walton Farm Nurseries, at Bosham, in Sussex, England, looks forward to meeting fellow nurserymen from America, proffering a tour of the nurseries and refreshments, irrespective of whether the visiting nurserymen are interested in buying.

Brinkman Bros. have about 1,000

## NORTHERN-GROWN SEEDLINGS

Unshaded, heavy-rooted, in peat soil, our usual grade. Well packed. Cash or satisfactory references.

500 at 1000 rate.

TRANSPLANTS		
	Per 100	Per 1000
American Arborvitae		
4-yr., 18 to 15 ins., heavy	\$15.00	\$130.00

SEEDLINGS		
American Arborvitae		
3-yr. adlgs., 4 to 8 ins.	4.00	35.00
2-yr. adlgs., 2 to 4 ins.	3.00	25.00
Colorado Blue Spruce		
2-yr. adlgs., 2 to 4 ins.	3.00	25.00
Black Hills Spruce		
2-yr. adlgs., 2 to 3 ins.	3.00	25.00
Norway Spruce		
2-yr. adlgs., 2 to 4 ins.	3.00	25.00
3-yr., 4 to 5 ins., heavy	3.50	30.00
White Pine (Wisconsin)		
3-yr. adlgs., 4 to 6 ins.	4.00	35.00
2-yr. adlgs., 2 to 4 ins.	3.00	25.00
Mugho Pine (Dwarf)		
2-yr. adlgs., 2 to 4 ins.	3.00	25.00
Scotch Pine (Poland)		
2-yr. adlgs., 2 to 3 ins.	2.50	20.00
2-yr. adlgs., 3 1/2 to 6 ins.	3.00	25.00
Austrian Pine		
2-yr. adlgs., 2 to 6 ins.	3.00	25.00
Platte River Red Cedar		
1-yr. adlgs.	2.00	18.00

Buy the best—Buy Northern-grown.  
Write for prices on 5000 to 10,000 lots.

**J. R. PALMER & SON**

BLACKDUCK, MINN.

## DO YOU NEED . . .

Flowering Shrubs  
Shade Trees  
Evergreens  
Lining-out stock  
Phlox or Peonies  
Apples or Plums  
Perennials  
Plum Seedlings

If so, please write for copy of our new wholesale price list.

**SHERMAN NURSERY CO.**  
CHARLES CITY, IOWA

## ROSES

2-yr., Field-grown

Paul's Scarlet Cl. and White F. K. Druschki, also called Snow Queen.

	Each	Each
	in 100 lots	
No. 1	50c	55c
No. 1 1/2	40c	45c

Usual Terms and Conditions

**OZARKS PLANT FARMS, Inc.**  
1730 Glenstone SPRINGFIELD, MO.  
(A. A. N. member)

## FOR PROMPT ACTION

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**GROWERS EXCHANGE, Inc.**

P. O. Box 264 FARMINGTON, MICH.

## AMERICA'S BEST SOURCE FOR HARDY PLANTS

WRITE FOR  
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OHIO

Wayside



Gardens



## COTONEASTER APICULATA

(Cranberry Cotoneaster)

Large red berries, spreading variety. Fully hardy.

2-in. pot plants, \$25.00 per 100.

Ready now.

Not less than 50, please.

Boxing and packing free for cash with order.

**BERRYHILL NURSERY CO.**

P. O. Box 696  
SPRINGFIELD, OHIO

## HEAVY 2-YR. SHRUBS FRUIT TREES

SPECIMEN EVERGREENS  
LINING-OUT STOCK

**SNEED NURSERY COMPANY**

P. O. Box 798  
Oklahoma City 1, Okla.

## EVERGREEN ROOTED CUTTINGS

\$10.00 per 100; \$95.00 per 1000.

Pfitzer Juniper, Irish Juniper, Hetzi Juniper, Pyramidalis Arborvitae, Brown's Yew, Spreading Yew.

**THE HENRY NURSERIES**

Ingels Bros.  
HENRY, ILL.

## HANDBOOK OF FERTILIZERS

By A. F. Gustafson.

Treats source, character, composition and effects of commercial fertilizers. Also their application for different crops. 172 pages. Revised edition. (1944)

Price, \$2.00, postpaid.

AMERICAN NURSERYMAN  
343 S. Dearborn St. Chicago 4, Ill.

## LINING-OUT AND FINISHED STOCK

Azaleas, Camellias, Magnolias and other Ornamentals.

Catalog on request.

OVERLOOK NURSERIES, Inc.  
MOBILE, Crichton Sta., ALABAMA

## BLACKWELL NURSERIES

SEMMES, ALABAMA

Azaleas, Camellias and Magnolias our specialties.

acres of land under cultivation, specializing in fruit trees, particularly Malling stock production, and roses. They are also breeders of Hereford pedigreed beef cattle.

## TEST GROUND COVERS.

To meet the great interest in ground covers, the Arnold Arboretum has established a display ground on the Case Estates, at Weston, Mass. Some sixty different ground covers were planted last year in plots 6x6 feet each. Others are expected to be added in 1951. The plants grow in a gravelly loam, not too moist, but with considerable shade on some of the plants for one-third to one-half of the day.

Of those planted only last year, some of the ground covers have demonstrated their merit, while others have not.

The list of sixty ground covers already established in the trials appeared in the April 13 issue of *Arnoldia*, popular bulletin of the Arnold Arboretum, Jamaica Plain, Mass.

## SHARON FIRM FEATURED.

Recently cited in a local newspaper for landscaping and floral work was the firm of Braine & Foreman, which was opened at Sharon, Pa., four years ago. Walter G. Braine, a partner in the firm, had been engaged in landscaping work for twenty-four years when he started in business with J. P. Foreman. Mr. Foreman had been working with flowers since his discharge from the navy after three years of service during World War II.

As part of their landscaping service, Mr. Braine himself visits all new property being landscaped and makes a sketch of the necessary grading, types and positions of shrubbery and the location of walks and driveways. Thus the property owner knows exactly how his finished grounds will look. He is given a guaranteed estimate of the initial cost, and he can make arrangements for the company to carry out periodic treatment of the lawn and shrubbery. Many of the shrubs used by Braine & Foreman landscapers are grown at the nursery, and the company has all the equipment necessary for constructing and black-topping driveways and for constructing sidewalks.

CONTRACT for landscaping the grounds surrounding the new armory at Charleston, S. C., was awarded to the Aichele Nursery Co., Charleston.

*Supreme  
Selling...*

## ROSES

- Nationally Advertised
- Cold Storage
- Now Booking
- Highest Quality
- Standard and Patented

CO-OPERATIVE ROSE GROWERS  
TYLER, TEXAS

Wholesale nursery  
in business for 30 years.

## Beautiful NATIVE RED CEDARS

Immediate delivery. While they last. Never able to supply all our orders in the spring. Book orders now.

5 to 10 ins.	Per 1000
10 to 15 ins.	\$20.00
	35.00
15 to 24 ins.	Per 100
24 to 35 ins.	\$ 7.50
	12.50

Write for good prices on Hard Maples, Dogwood, Redbud, Black Walnuts, etc.

**ROLLERS NURSERY**

Phone 661 ROGERS, ARK.

## COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade Trees, Roses and Lining-out Stock.

Write for complete list.

**ONARGA NURSERY CO.**  
ONARGA, ILL.

## GLADIOLUS BULBS

We specialize in tested and proven best commercial cut flower varieties. True, clean, healthy stock our principal aim.

**BENNINGTON'S NURSERY**  
LAKE CITY, IOWA

## 50,000 DAHLIA ROOTS

We grow many acres of standard cut flower varieties for the trade.

Write today for wholesale price list.

**PAYNE DAHLIA FARMS**  
ROUTE 5 KANSAS CITY 3, KAN.



## SEMMES NURSERIES

AZALEAS - CAMELLIAS  
and other choice evergreens

Wholesale Catalog SEMMES, ALA.

## YOUR PROFITS GROW IN

**VERHALEN PLANTS**

**VERHALEN NURSERY CO.**  
SCOTTSVILLE, TEXAS

**AMERICAN ARBORVITAE**

Northern seeds. Very hardy.  
Strict grade. Best of packing.

Transplants		
	Per 100	Per 1000
4-yr., 12 to 14 ins....	\$15.00	\$130.00
4-yr., 8 to 12 ins....	10.00	80.00
Seedlings		
3-yr., 4 to 8 ins....	4.00	35.00
2-yr., 2 to 4 ins....	2.50	20.00
500 at 1000 rate.		

Cash or satisfactory reference.

**J. R. PALMER & SON**  
BLACKDUCK, MINN.

**QUALITY JUNIPER GRAFTS**

For spring, 1951, delivery, from 2 1/2-in. pots on Virginiana understock. We are grafting *Juniperus Virginiana* Canaerti, *Glaucia*, *Pyramidiformis* (Dundee), *Burki* and *Keteleeri*.

2 and 3-yr. field-grown Grafted Junipers in the above varieties.

**PAUL ARTERBURN NURSERY**

P. O. Box 72 St. Matthews, Ky.

**VINCA MINOR**

	Per 1000	Per 10,000
Heavy clumps .....	\$50.00	\$400.00
Medium clumps .....	25.00	225.00
Small liners .....	10.00	90.00

See our ad in March 15 issue.

**O. H. PERRY NURSERY CO.**

Box 545 McMinnville, Tenn.

Serving you Since '72  
From the Center of the South

Write For Our New Spring List

**THE Southern**  
Nursery & Landscape Co., Inc.  
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WINCHESTER, TENN.

**GLADIOLUS BULBS**

We grow three to four million Glads per year. and bouquet sales take care of half our annual payroll. We will be happy to send you one of our catalogs. Drop us a card.

**VENNARD'S NURSERY**  
Box 394-N SIOUX CITY, IA.

**30,000 Potted Taxus Liners**

1, 2 and 3-year.

*Welgela* Eva Rathke, transplants.  
*Viburnum Rhytidophyllum*.

**HUMPHREYS LANDSCAPE SERVICE**  
MT. STERLING, KY.

**ARTHUR WATSON INJURED.**

A compound fracture of the collar-bone and severe scalp injuries, one of which required eight stitches, were suffered April 16 by Arthur L. Watson, owner of the Arthur L. Watson Nurseries, Grand Rapids, Mich., in an automobile accident. Mrs. Watson reports that her husband is making a good recovery and that he is handling nursery business by remote control with a bedside telephone.

Mr. Watson was driving home for luncheon when the accident occurred. A car entering the road from a side street hit Mr. Watson's car with such force that it was overturned three times, landing about 100 feet from the scene of the crash, against a telephone pole, which it broke. Mr. Watson's car was completely demolished.

**MAHONING HEARS PORTER.**

The monthly meeting of the Mahoning Valley Landscape Gardeners' and Nurserymen's Association was held at Paul Schmidt's greenhouse, Youngstown, O., March 27. Principal speaker was Harold L. Porter, specialist in charge of insect and disease control for the division of plant industry, Ohio department of agriculture. He discussed "The New Nursery Laws and How They Affect the Nurseryman" and "New Insects and Their Control."

A second speaker was Russell Slutz, chief inspector for the division of plant industry, who told members what a state inspector looks for in his inspections of plants in nurseries.

MAILING address of W. Vittner's Gardens has been changed to P. O. Box 216, Station A, Manchester, Conn.

LOCATED at a corner of Fourth and Walnut avenues, Cantor, O., Jack Sutton's Flower & Garden Mart was opened in March.

SPEAKER at the Better Homes and Gardens day held at Louisa, Va., March 12, was Mrs. Annabelle Grimes, general sales manager at Waynesboro Nurseries, Inc., Waynesboro, Va.

COASTGUARDMAN Kenneth Haysler, Jr., third generation of the owners of Cloverset Flower Farm, Kansas City, Mo., is stationed in California. Carolyn Haysler Gordon is now living at Camp Pendleton, in California, where her husband, Leo Gordon, is in the marines.

**RIDER'S HARDY STRAWBERRY PLANTS**

All stock F.O.B. Farmington, Ia.

	Per 1000
Superfection Everbearing .....	\$20.00
Minnesota 1166 Everbearing .....	18.00
Gem Everbearing .....	14.00
Premier, Temple, Bellmar .....	9.00
Fairland, Sparkle, Minnesota 1118 .....	9.00
Dunlap, Giant New Robinson .....	7.50
Blakemore, Beaver .....	7.50

**OTHER ITEMS**

	Per 100
Linnaeus Rhubarb, 1 to 2-in. cal..	\$ 5.00
Linnaeus Rhubarb, 1/4 to 1-in. cal.	3.00
Horse-radish Crowns .....	5.00
Horse-radish Roots .....	3.00
Sage Plant .....	12.00
Mixed Dahlia Tubers .....	12.00
Mme. Crozy or Y. K. Humbert	
Cannas .....	5.00

**GRAPEVINES**

	Per 100
Concord, Fredonia, Niagara, 1-yr., No. 1 .....	\$ 6.00
Beta, Bluejay, 2-yr., No. 1 .....	12.00

**GLADIOLI**

	Per 1000
Spotlight, No. 1 .....	\$25.00
King Lear, Gardenia, No. 1 .....	16.00
Token, Lulu Hunt, No. 1 .....	16.00
M. Fulton, Florists' Mix, No. 1 .....	14.00

Other grades, varieties, available.  
Hybrid White Hulleis Iopop Popcorn, shelled, cleaned, very good, \$10.00 per 100 lbs.

Write for our Wholesale List and information on a general line of nursery stock. We have a direct shipment service for handling orders shipped direct to your customers. We also have available a good selection of standard northern varieties of Apples and Plums.

Growing contracts on above type of stock.

**RIDER NURSERIES**

Farmington, Iowa

**We Offer****OUR USUAL SUPPLY OF NURSERY STOCK**

Apple	Peach	Pear
Plum	Cherry	Apricot
Figs	Grapes	Pecans

June Bud Peach  
Japanese Persimmon  
Ornamental and Shade Trees

Send us your want list;  
write for prices.

**COMMERCIAL NURSERY CO.**

Nicholson Bros. DECHERD, TENN.

*We specialize in  
these outstanding products*

Chipman's Canada Red, MacDonald and Valentine Rhubarb.

Minnesota Fruit Breeding Farm creations.

Bush Cherry and Plum Seedlings.

**SUMMIT NURSERIES**  
STILLWATER, MINN.**LINING-OUT TAXUS**

MANY VARIETIES

Write for List.

**EAGLE CREEK NURSERY CO.**

NEW AUGUSTA, INDIANA



## MALONEY BROS. NURSERY CO., INC.

DANSVILLE, NEW YORK

**Our 67th Year — Over 400 Acres**

One of the largest producers in New York State of Hardy Upland-grown, Inspected for Trueness-to-name Fruit Trees offers a complete assortment of

**Standard Apple, 2-yr.**

**Plum, 2-yr.**

**Standard and Dwarf Pear, 2-yr.**

**Sweet and Sour Cherry-Quince, 1 and 2-yr.**

**Peach, 1-yr.**

Also a good assortment of Shrubs, Shade Trees, Evergreens.

**Write for our Wholesale  
Price List—Save Money**

## SMALL FRUIT PLANTS

Thirty varieties of Grapes, including the

**Siebel No. 1000**  
also

**Currants and Berry plants**

Write for price list.

**FOSTER NURSERY CO., Inc.**  
FREDONIA, N. Y.

## WE OFFER . . .

**Our General Line of**

## SMALL FRUIT PLANTS

Let us quote on your requirements.

**L. J. RAMBO'S WHOLESALE NURSERIES**  
Bridgman, Michigan

**Chipman's and McDonald**

## RED RHUBARB

Large, No. 1 divisions.  
The kind you like to get.

\$20.00 per 100; \$150.00 per 1000.

Cash with order, packing free.  
Packed in wire-bound citrus crates.  
Prompt 24-hour shipment.

**KEELER'S GARDENS**  
SIOUX FALLS, SOUTH DAKOTA

## WINDOW FLOWERS CURB HOUSECLEANING DUST.

A novel reason for planting flowers in window boxes is proffered in an anecdote from a subscriber in Germany who also comments on the regard of German nurserymen for the American Nurseryman, as he writes, "For us Germans, your hebdomadaire (semimonthly) is a window to the world."

For the past few years, our reader, M. Hahn, and his family have been living on the first floor of a 2-family house at Offenburg, and the arrangement suited them in all but one respect; the housewife who resided on the upper floor had the habit of cleaning her carpets and bedclothes, etc., by leaning out of the window to shake the dust from them, forcing the Hahn family to shut their windows whenever it suited her to do her dusting.

Writes Mr. Hahn further, "We had begged her to act according to the community laws, which forbid dusting from windows. We had even given toys to her boys to beguile her. Apparently she was quite in love with her unhygienic way of housecleaning and followed it religiously. So we were never sure to get genuine country air when sitting near an open window."

"Then in the spring of our third year in the house we hit upon an idea. We gave her a lot of petunia seedlings to grow on the window ledges. The idea worked. The growing petunias proved quite a handicap to her leaning out the windows to do her dusting, and so, at last, she accommodated herself to doing it properly in the back yard."

"The neighbors complimented her on her beautiful flowering windows, and the next spring she asked for more petunias. It never occurred to her that in so doing she called for the 'cops' that would enforce the antidusting law upon her."

**CALLED** to Criminal court jury service in March, John Fink was excused from service by Judge O'Toole at Pittsburgh, Pa., because the judge, who was once a landscaper himself, took into consideration that the busy season was beginning.

**FORMERLY** employed by T. C. Crume Nursery & Landscaping Co., Florence, Ky., Richard Ammon is now in business as the Ammon Nursery, at Florence, Kv. He has a salesyard at Florence, where he lives, and ten acres of general nursery stock planted two miles outside the town.

## FRUIT TREES

**Apple, 1 and 2-yr., Dwarf and Standard.**

**Pear, 1 and 2-yr., Dwarf and Standard.**

**Plum, 1 and 2-yr.**

**Sweet and Sour Cherry, 1 and 2-yr.**

**Quince, 2-yr.**

**Apricot, 2-yr.**

**Peach, 1-yr.**

Write for our wholesale list.

**KELLY BROS. NURSERIES, Inc.**  
DANSVILLE, N. Y.

**WILLIAM VAN HERREWEGHE**  
(formerly W. E. & R. Van Herreweghe)

*Export Nurseries*

**SERSKAMP, near GHENT, BELGIUM**

**FRUIT TREE STOCKS**

**EAST MALLING TYPES**

**ORNAMENTAL SHRUBS**

**FOREST PLANTS and Seedlings**

**ROSES and EVERGREENS**

Prices on application

## Holland-Grown Nursery Stock

Shrubs and Trees,  
including liners.

Rhododendrons and Azaleas

Hardy Perennials

Peonies

NOVELTIES IN ALL LINES

Ask for wholesale catalog.

**F. J. Grootendorst & Sons**

**BOSKOOP, HOLLAND**

Growers and exporters since 1903

**Maurice C. Ravensberg**  
**Boskoop, Holland**

Reliable firm for general Nursery Stock and Belgian plants.

Catalog on application.

## SWEET CHERRY

2-yr.-old

Napoleon, Windsor, Black Tartarian

**EDWARD BACON & SON**  
DANSVILLE, N. Y.

Fruit Tree Growers since 1882.

**VUYK VAN NES**  
**BOSKOOP HOLLAND**

Originators of Azalea Vuykiana.  
Growers of choice Nursery Stock.

Please direct your correspondence to:  
140 CEDAR ST. NEW YORK 6, N. Y.



### SEEK PENINSULA CHAPTER.

Fifteen nurserymen, all members of the California Association of Nurserymen and in business on the San Francisco peninsula, met at Bondy's, Belmont, April 5.

This group has held similar informal meetings for the past few months to discuss purely local nurserymen's problems, and at this meeting it discussed the desirability of forming a new chapter of the state association. In effect, this group would withdraw from the present Central chapter, which would then consist of members who live and operate on the east side of San Francisco bay. The Central chapter, as it now is constituted, includes members from both sides of the bay and is the oldest, as well as the largest, state chapter. Elmer Merz, executive secretary of the state association, took part in the discussion.

The group feels that the present chapter is representative of too large an area; that under current traffic conditions the time required for travel to the widely separated meetings lessens attendance and consequent interest in the chapter, and that it is also becoming more and more apparent that the business problems of the two groups are beginning to differ. No strong objections were made by anyone present regarding the separation and the forming of a new chapter.

Following the discussions it was ordered that the acting secretary, Charles Burr, California Garden Supply Co., Belmont, be asked to carry on a mail vote of the peninsula members of the Central chapter. The voting would be on the question of the formation of a new chapter. If a majority of the votes received are in favor of the action taken by this small group, a request will be made to the board of directors of the state association asking for the formation of a local chapter.

Following the main business, some time was spent discussing legality of the laws requiring nurserymen to obtain business licenses in towns where they do not operate, but into which they make deliveries. Since the peninsula is composed of a large number of relatively small communities adjoining one another, buyers go from nursery to nursery in the several towns and request delivery of the heavier purchases. As a result, full enforcement of the laws would require many nurseries to have several licenses to do business, even though they have only one establishment.

W. B. B.

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	2 1/4" Pots	EACH
Bignonia cherere	.....	20c
Bouvardia Coral	.....	15c
Cedrus deodara	.....	15c
Ceratonia siliqua	.....	15c
Chamaelaucium ciliatum	.....	17 1/2c
Cotoneaster microphylla	.....	15c
Guava Yellow Strawberry (Impr.)	.....	12c
Hydrangea White	.....	15c
Pinus pinea	.....	12c
Pyracantha Rosedale (Trade Mark Reg.)	.....	17 1/2c
Pyracantha Lalandi Monrovia	.....	12c
Serissa foetida	.....	15c
Thuja orientalis aurea nana	.....	20c
Ulmus parvifolia sempervirens	.....	17 1/2c

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## LOS ANGELES CHAPTER.

The monthly meeting of the Los Angeles chapter of the California Association of Nurserymen was held at Carpenters Santa Anita, Arcadia, March 28. Approximately 175 members were present.

President Martin Usrey introduced Wallace Naphas, of Star Nurseries, Inc., Montebello, new member of the board of directors, and Jolly Batchellor, head of the department of ornamental horticulture at California State Polytechnic College, San Luis Obispo. James Meadows, of Ramona Gardens, Pasadena, membership chairman, introduced all new members present.

Information chairman F. C. Tomlinson, of Select Nurseries, Whittier, gave the news of the trade; and Thad Uyreno, of Uyreno Nursery Co., Rosemead, leader of the plant forum, showed a number of new plants. As insurance group chairman, James Meadows announced completion of the group plan and introduced the insurance agent, Pressley Jones. State president William S. Clark briefly discussed the general activities at the September convention and the short course of the state association.

David Cunningham introduced Dr. Seibert, of the Los Angeles state and county arboretum, who acted as moderator. Dr. Seibert brought to the meeting four customers of various nurseries who discussed what they expect in the retail nursery. A lively question-and-answer period followed.

W. Tecklenburg, Sec'y.

## SAN FERNANDO VALLEY.

When members of the San Fernando Valley Nurserymen's Association gathered at Welch's Drive-In, for their yearly meeting at Palmdale, Calif., Mr. and Mrs. Jim Harris, of the Palmdale Nursery, acted as host and hostess to the group. They presented an interesting program for members and their guests, which included the showing of colored pictures of the Hawaiian islands by N. O. MacKay. A plant forum enabled everyone to participate actively in the meeting.

## CALIFORNIA NOTES.

Charles Burr, of California Garden Supply Co., Belmont, has returned from an extended trip to southern California, where he has been calling on the trade.

Antonelli Bros., Santa Cruz, grow-

## ROSES

Patented varieties	Each Retail price	Each per 10	Each per 100
\$1.75 *Applause	.....	\$0.80	\$0.72
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1.50 *Crimson Rosette	.....	.72	.60
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1.50 Goldilocks	.....	.72	.60
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2.00 Mandalay	.....	.80	.72
1.50 *Mark Sullivan	.....	.72	.60
2.00 New Yorker	.....	.88	.80
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1.50 *Rose of Freedom	.....	.72	.60
1.75 *Tallyho	.....	.80	.72
1.50 *Valiant	.....	.72	.60
1.75 High Noon	.....	.80	.72
1.50 Angels Mateu	.....	.72	.60
1.35 Betty Prior	.....	.60	.52
1.50 Crimson Glory	.....	.72	.60
1.50 Mary M. McBride	.....	.72	.60
2.00 *Peace	.....	.88	.80
1.50 *Prima Donna	.....	.72	.60

\*Varieties indicate No. 1 grade available. Add 20 per cent to indicated price.

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## EVERGREEN LINERS

Azaleas, Conifers, Heathers, etc. Available in rooted cuttings and field transplants grown in sandy soil.

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ers of tuberous-rooted begonias, are completing two new greenhouses, each 50x300 feet. They will be used for developing new kinds of begonias and starting established varieties from seeds.

W. B. Clarke, of W. B. Clarke & Co., San Jose, has returned from a 5-month stay in Arizona. This annual stay in the desert area is to relieve the symptoms of asthma from which he suffers.

John Edwards, of John E. Edwards Nursery, East Palo Alto, has returned from a series of camellia-judging trips and an extended selling trip in southern California.

California State Polytechnic College, at San Luis Obispo, is growing camellia plants under artificial light and is producing about two years' growth in approximately seven months. Similar work is being carried out at the Statehouse grounds, Sacramento. Although this has definite commercial possibilities and the camellia growers of the state are watching them carefully, so far none has made any attempt to follow the practice under commercial conditions.

The University of California at Davis has announced that it has obtained a 10-acre plot of land near the campus to be used for experimental work in connection with the fruit, flower and nursery industries.

B. J. Hall, farm adviser in San Diego county, has told nurserymen who do tree-pruning work that it is important to treat all wounds which are over three inches in diameter, but that smaller wounds do not need any special care.

W. B. B.

#### KIRK'S AT ANAHEIM.

The subject of a write-up and a triple-column cut in the March 16 edition of the Bulletin at Anaheim, Calif., was the Roy L. Kirk Landscape Nursery, owned by Mr. and Mrs. Roy Kirk. The nursery, located centrally in downtown Anaheim, is open seven days a week, and Mr. Kirk, who keeps up with the latest methods in plant culture by studying under the National Landscape Institute, is always willing to discuss planting problems with customers.

Mr. Kirk graduated from Anaheim high school in 1933, went into horticultural work, and, after gaining experience in established firms, he opened his own business in 1946. The present Kirk nursery was started in 1949, when his wife joined him in the retail sales department.

The Kirks have two children, Geraldine, 10, and Edward, 8.

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- The Nation's Largest Growers of QUALITY Standards.
- All popular standard and patented varieties—including A. A. R. S. winners.
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## MILTON STORAGE CONTROL.

Two rooms equipped with temperature and humidity control have been completed at Milton Nursery Co., Milton, Ore., for holding nursery stock in a dormant state until time for planting and for storing peonies and other cut flowers. The two rooms are kept at different temperatures, according to the type of stock stored.

Covering a total space of 30x70 feet in the nursery's main building, the rooms have ceilings fourteen feet high, and each is fitted with racks and bins suitable for holding various types of stock. Two large units provide refrigeration, and each room has equipment for humidity control.

When the May crop of peonies is ready for cutting, the flowers will be brought in from the fields, conditioned in one of the rooms and then placed under lower temperatures in the second, where they will be held for shipment, states C. B. Miller, president and general manager of the firm. An exceptionally large percentage of the crop can be harvested and marketed in this way, and the storage rooms will help to combat unfavorable weather, which has sometimes resulted in serious crop losses in the past.

## ANAHEIM'S LEE FAMILY.

During a special March sales event at the Lee Nursery, Anaheim, Calif., the Lee family was the subject of a write-up in a local newspaper. Lees now active in operating the nursery are Forest; his wife, Minnie, and the senior Lees, Earl, Sr., and his wife, Mrs. Flora Lee. A third generation, in the person of David, now a student at California State Horticulture School, San Dimas, will enter the business after graduation.

The Lees had been in the nursery business in the east before they moved to Anaheim in 1932 and opened a service station at the present site of the nursery. They offered a side line of plants, which, six years later, absorbed the service station. They offer plants and shrubs, a complete line of garden supplies, and, under the supervision of Forest Lee, landscaping service.

SPEAKER at the first spring sale of the Harold Mounsey Nursery, which was opened in January at Monrovia, Calif., was David I. Gilfallan, garden editor of the Pasadena Independent.

## OREGON'S BEST SOURCE OF GOOD ROSES

A complete list of HYBRID TEAS, CLIMBERS, BABIES and FLORIBUNDAS. Also, one of the most complete lists of patent varieties, including the A.-A. R. S. award winners.

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JUNIPERUS HORIZONTALIS  
PLUMOSA (Andorra Juniper).

One of the more recent introductions in creeping junipers. It grows close to the ground but the tips of the branches lift up to a height of about 18 inches.

Per 100 Per 1000

3 to 6 inches,  
once transplanted ..... \$12.00 \$96.00

JUNIPERUS CHINENSIS SARGENTI  
(Sargent Juniper).

This juniper has been well proven as it has been grown in American gardens for more than fifty years. It was first introduced into the Arnold Arboretum from Japan by Prof. Sargent in 1892.

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If you have never tried our stock,  
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## PRONOUNCING DICTIONARY of Plant Names

64 pages, 3000 names, 25¢ per copy  
American Nurseryman Chicago 4.

**BULB FIRMS CONSOLIDATE.**

The lily and bulb stocks of Edgar L. Kline, Lake Grove, Ore., have been consolidated with those of the Wand Lily Gardens, Troutdale, Ore., and the firms will henceforth issue a combined price list.

Having grown lily and other bulbs for many years, the Wand Lily Gardens will grow in quantity many of the lily species and hybrids of which Edgar L. Kline has developed stocks over the past twenty years. The Wand firm will also distribute lily bulbs from several other Pacific northwest growers, among them the Yerex Bulb Farm, Newburg, Ore., and the Lilydale Bulb Garden, Milwaukie, Ore. It will also be wholesale distributor for a number of new lilies developed by Dr. E. F. Palmer, of the Dominion horticultural experiment station, Vineland, Ont., Canada. Mr. Kline was previously exclusive distributor in the United States for these introductions.

As his part in the consolidation Edgar L. Kline will produce and subsequently introduce new lily hybrids and strains and cultivate the rarer and scarcer species and hybrids.

**VICTIM** of a traffic accident in February, which resulted in spinal injuries, was Frank Bucaro, owner of the Chico Nursery, Gardena, Calif.

**SPONSORED** by Bamico Gardens, 352 East Glenarm street, Pasadena, Calif., a 3-day program of lectures, informative films and shows was held in observance of their first two years in the nursery and florists' business.

**EXPERIMENTS** with various cover crops seeded in nursery rows to determine which of these crops is most practical in the nursery are being made at the Mountain View Floral Nursery, Portland, Ore., in co-operation with the Lilly Seed Co.

**SALE** of the Maxwell Nurseries, Napa, Calif., by Mrs. Thomas Maxwell to Dr. Clinton J. Sevener, Napa physician, has been announced. Cecil Bowman, licensed landscape architect for Santa Rosa, Calif., will operate the nursery.

**OBSERVING** their twenty-ninth year at Watsonville, Calif., owners Ed Silva and Max Koppes have moved El Pajaro Gardens from the town and country shopping center to 256 East Lake avenue, former location of Harold's Flower Shop, whose owner, Harold Mattos, has been recalled to military duty.

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A very beautiful evergreen shrub with large, glossy leaves and yellow flowers appearing conspicuously in spring and followed by dark blue berries. A most satisfactory broad-leaved evergreen for any place in the United States.

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Apple Blossom, Bride's Maid, Hinodegiri,  
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No. 1 plants. Per 1000  
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Reduced prices. Guaranteed true to name.  
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Guaranteed to arrive in  
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IDEAL FRUIT FARM  
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STRAWBERRIES, Fresh-dug. Per 100 1000  
Dunlap \$1.20 \$ 7.50  
Robinson 1.35 9.00  
Premier 1.40 10.00  
Temple, Sparkle, Dorsett 1.50 11.00  
Fairland, Catskill 1.50 11.00  
Gem, everbearing 1.75 13.00  
Minnesota 1166, everbearing 2.25 17.00  
Streamliner, Mastodon, everbear. 2.25 17.00  
Superfection, everbearing 2.50 20.00  
All other fruit plants. Send for list.

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EVERBEARING GEM STRAWBERRIES.  
\$10.00 per 1000, 10 per cent discount on  
larger orders of 10,000 or more.  
New Washington Raspberry plants, \$30.00  
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### CERTIFIED LATHAM RASPBERRIES.

Schwab Gooseberries, new seedling (world's  
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1-yr., heavy, \$6.50 per 10; bearing size, \$10.00  
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### STRAWBERRY PLANTS.

Doubly inspected, northern-grown Dunlap,  
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mar, \$9.00 per 1000; 10,000 up, \$8.00 per 1000.  
Giant Gem, Streamliner, Minnesota 1166,  
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plants, guaranteed to reach you in good  
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Spring-dug, true-to-name, in A-1 growing  
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Gem Everbearing \$11.00  
Premier 11.00  
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Heavy Rooted Cuttings. Per 100 Per 1000

Rubel, 5 to 8 ins.	\$ 8.00	\$ 75.00
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Burlington, 5 to 8 ins.	8.00	75.00

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Rt. 1 NORMAN COUCH Madison, Tenn.  
\$5.00

More customers for you!  
Over 7,300 subscribers, all active buyers,  
see your ad in the American Nurseryman.

## BULBS and TUBERS

### SPECIAL OFFER OF GERMAN IRIS.

1000 Action Front	Per 100 Per 1000
1500 Angelus	\$20.00 \$150.00
900 Blue Peter	12.00 80.00
250 California Gold	10.00 80.00
500 Captain Wells	40.00 200.00
2500 Copper Rose	40.00 150.00
500 Elmohr	25.00 200.00
1000 Fair Elaine	15.00 80.00
300 Garden Magic	20.00 150.00
2000 Golden Majesty	10.00 60.00
250 Golden Treasure	12.00 90.00
500 Great Lakes	20.00 150.00
1000 Melitta	12.00 80.00
5000 Nightfall	30.00 120.00
500 Pink Reflection	75.00
400 Old Parchment	20.00 150.00
1500 Redward	35.00 200.00
1600 Sheriffs	15.00 80.00
600 Sleepy Hollow	20.00 150.00
3000 Sunny Ruffles	30.00 120.00
1000 Worthington	50.00 200.00

### IRIS PUMILA, Spring-flowering.

2500 Keepsake	18.00 120.00
300 Sapphire	18.00 150.00
2000 Tampa	18.00 120.00

250 plants sold at 1000 rate.  
THE WAYSIDE GARDENS CO.  
Mentor, Ohio

### DAHLIA ROOTS.

We grow many acres of standard varieties.  
Write today for wholesale price list.

PAYNE DAHLIA FARMS  
Route 5 Kansas City 3, Kans.

### HARDY NORTHERN-GROWN LILY BULBS.

New, rare, scarce and unusual as well as  
standard varieties. Send for your free copy.  
New wholesale list now ready.  
J. HENDRIKS, Grower Portage, Mich.

## STYER'S PEONIES.

Finest stock for cut flower planting.  
M. Jules Elie, Akashi-kata, Edulis Superba,  
Modeste Guerin. Generous divisions. Write for  
our wholesale list of garden varieties.

### STYER'S NURSERIES

Concordville, Pa.

### DOUBLE TIGER LILIES.

4 to 6 ins. \$10.00 per 60; \$90.00 per 1000.  
THE EVERGREEN NURSERIES, Lowell, Ind.

## CAMELLIAS

### CAMELLIA LINERS.

Many standard and rare varieties of Cam-  
ellia liners at very attractive prices. Our  
liners were well protected and they were not  
injured by the recent cold. Flower buds of  
our Kurume Azaleas are uninjured.

Write for our wholesale price list or visit us.  
COTTAGE HILL NURSERY  
T. Kiyono, Mgr. Mobile, Ala.

Rt. 4, Box 130

If you don't find it listed here  
Try a Wanted ad in the next issue  
of the American Nurseryman.

## CHRYSANTHEMUMS

### HARDY CHRYSANTHEMUMS.

Strong field-grown divisions, state inspec-  
ted. We have a large, select stock for im-  
mediate or later delivery.

Alert, early deep purple	Per 100 Per 1000
Algonquin, showy clear yellow	\$1.50 \$10.00
Allegro, glowing salmon-pink	.75 4.00
Bonfire, bronze-red pompon	.75 4.00
Brilliance, showy bright red	1.00 6.00
Candlelight, early double white	1.00 6.00
Carnival, large new burnt orange	1.50 10.00
Charles Nye, best all-purpose	
yellow	1.00 6.00
Chris Columbus, nice ivory-white	1.00 6.00
Early Worm, spready bright	
yellow	1.00 6.00
Ember, showy orange-bronze	.75 4.00
Eureka Giant, bright golden-	
orange	1.00 6.00
Glowing Coals, deep cherry-red	1.00 6.00
Gold Dollar, bright yellow pom.	1.25 8.00
Jackie, floriferous bright red	1.00 6.00
Jayeff, large, fluffy peach-pink	1.25 8.00
Judith Anderson, yellow button	1.00 6.00
Karen Fredericksen, orange pom.	1.25 8.00
Meditation, two-toned bronze	1.25 8.00
Murmura, incurved mallow-purple	1.50 10.00
Orchid Helen, dbl. pink-orchid	1.25 8.00
Pink Pearl, rose-pink pompon	1.00 6.00
Pink Radiance, hardy soft rose	1.00 6.00
Polar Ice, double pure white	1.00 6.00
Pohlacong, early deep rose	.75 4.00
Ruby Pompon, crimson,	
erect stems	.75 4.00
September Dawn, large	
lavender-pink	1.00 6.00
September Sunshine, deep yellow,	
early	1.00 6.00
Successor, two-toned pink dbl.	1.00 6.00
Tampico, U.S.D.A. tall bronze,	
late	1.00 6.00
White Tower, perfect white balls	1.50 10.00
White Wonder, tall ball pompon	1.25 8.00
Wren, tall yellow button, red	
centers	1.25 8.00
Yellow Avalanche, soft yellow	1.25 8.00
Zantha, canary-yellow pom.	1.00 6.00

### LOW-GROWING and CUSHION TYPES.

Black Velvet, bushy dark red... 1.25 8.00  
Champion Cushion, bronze-red... .75 4.00  
Cochecho, bushy lavender-rose... 1.00 6.00  
Dwarf Jewel, lavender pompon... 1.00 6.00  
Glacier, best early pure white... 1.00 6.00  
Golden Russet, new early gold

Little Eskimo, bushy white pom... 1.25 8.00  
Major Cushion, best pink cushion... 1.00 6.00  
Nanook, cream and white cushion... 1.00 6.00  
New Red Cushion, gay bright red... .75 4.00  
Pomponette, nice bronzy-yellow... 1.00 6.00  
Powder Puff, very dwarf cream... 1.50 10.00  
Pygmy Gold, early yellow button... .75 4.00  
Salute, gay red-purple, early... 1.00 6.00

September Bronze, hardy golden-bronze... .75 4.00  
September Cheer, bright

cherry-red... 1.00 6.00  
Yellow Cushion Supreme, soft yellow... 1.00 6.00  
Youdath's Pride, bushy bronze pompon... .75 4.00  
Not less than 25 of a variety at the 100 rate.

### ENGLERTH GARDENS

4652 S. Division Ave. S.  
Grand Rapids 5, Mich.





## EVERGREENS—Continued

## LINING-OUT STOCK LIST.

## JUNIPERUS CHINENSIS

## PFITZERIANA.

Per each in lots of

10 100 1000

Pfitzer Juniper.

15 to 18 ins. TTT.....\$0.85 \$0.80 ...

12 to 18 ins. TTT......60 .55 ...

8 to 12 ins. TTT......50 .45 ...

6 to 9 ins. TTT......40 .35 ...

## JUNIPERUS COMMUNIS

## DEPRESSA PLUMOSA.

Andorra Juniper.

12 to 18 ins. TTT......60 .55 ...

9 to 12 ins. TT......50 .45 ...

## JUNIPERUS EXCELSA STRICTA.

Spiny Greek Juniper.

9 to 12 ins. TTT......50 .45 \$0.40

6 to 9 ins. TTT......45 .35 .30

## JUNIPERUS SABINA.

Savin Juniper.

15 to 18 ins. TTT......85 .80 ...

12 to 18 ins. TTT......60 .55 ...

8 to 12 ins. TTT......50 .45 ...

## JUNIPERUS SCOPULORUM.

Western (Silver) Cedar.

2 to 3 ft. TTT......55 .80 ...

18 to 24 ins. TTT......70 .65 ...

## JUNIPERUS VIRGINIANA.

Eastern (Red) Cedar.

2 to 3 ft. TTT......60 .55 .50

18 to 24 ins. TTT......50 .45 .40

## PICEA CANADENSIS ALBA.

White Spruce.

9 to 12 ins. TTT......30 .25 .20

12 to 18 ins. R.P......25 .20 .15

9 to 12 ins. R.P......15 .12

6 to 9 ins. R.P......10 .08

4 to 6 ins. R.P......07 .05

## PICEA EXCELSA.

Norway Spruce.

9 to 12 ins. R.P......15 .12

6 to 9 ins. R.P......10 .08

4 to 6 ins. R.P......07 .05

## PINUS BANKSIANA.

Jack Pine.

2 to 3 ft. R.P......30 .25 .20

18 to 24 ins. R.P......25 .20 .15

12 to 18 ins. R.P......12 .10

9 to 12 ins. R.P......10 .07

## PINUS NIGRA.

Austrian Pine.

12 to 18 ins. R.P......30 .25 .20

9 to 12 ins. R.P......18 .15

6 to 9 ins. R.P......12 .10

4 to 6 ins. R.P......08 .06

## PINUS PONDEROSA.

Bull Western Yellow Pine.

12 to 18 ins. R.P......25 .20 .17

9 to 12 ins. R.P......15 .12

6 to 9 ins. R.P......10 .07

4 to 6 ins. R.P......05 .04

## PINUS STROBUS.

White Pine (North).

6 to 9 ins. R.P......15 .12

4 to 6 ins. R.P......10 .07

## PINUS SYLVESTRIS.

Scotch Pine.

18 to 24 ins. R.P......30 .25 .20

12 to 18 ins. R.P......25 .20 .17

9 to 12 ins. R.P......15 .12

6 to 9 ins. R.P......10 .08

4 to 6 ins. R.P......06 .05

## THUJA OCCIDENTALIS.

American Arborvitae (Northern).

18 to 24 ins. TTT......50 .45

12 to 18 ins. TTT......35 .30 .25

9 to 12 ins. R.P......10 .08

6 to 9 ins. R.P......07 .06

4 to 6 ins. R.P......05 .04

## THUJA ORIENTALIS.

Chinese Arborvitae.

12 to 18 ins. R.P......20 .15 .12

9 to 12 ins. R.P......10 .08

6 to 9 ins. R.P......07 .06

4 to 6 ins. R.P......05 .04

TERMS: Cash with order unless credit is established. Packing costs will be added on a cost basis. 300 of any variety and grade at 1000 rate; 30 of any variety and grade at 100 rate.

Shipments travel at purchaser's risk and expense. Shipments delayed or damaged in transit should be called to the attention of the carrier at once.

PLUMFIELD NURSERIES, Inc.

2105 North Nye Ave.

Fremont, Nebraska

Each

Pfitzer Juniper, from 2 1/4-in. pots.....\$0.18

From 2 1/4-in. pots......20

Savin Juniper, from 2 1/4-in. pots......18

Andorra Juniper, from 3-in. pots......25

Pyramidalis lalandi, from 2 1/4-in. pots......18

From 4-in. pots......40

Euonymus patens, from 2-in. pots......10

From 2 1/4-in. pots......15

Rooted cuttings......06

This stock is cool-rooted and cool-grown.

Prices are for any quantity. F.O.B. Kansas City, Mo. Cash, please.

GLASSCOCK BROS.

6119 Agnes

Kansas City 4. Mo.

## EVERGREEN LINERS.

Per 100 Per 1000

Douglas Pyramidal Arborvitae,

2-yr., from pots, 8 to 10 ins.\$20.00 \$180.00

Pfitzer Juniper, 2-yr., from pots,

8 to 10 ins.....20.00 180.00

Taxus cuspidata, 2-yr., tr.,

8 to 12 ins.....20.00 180.00

Taxus media hicksi, 2-yr., tr.,

8 to 12 ins.....20.00 180.00

Packing free when cash with order.

RASMUSSEN NURSERIES, Mansfield, Pa.

## ARBOREVITAE.

Per 25 100 1000

American, 4 to 6 ins. X.\$3.75 \$13.50

American, dark green

nigra, 4 to 6 ins. X.....4.50 16.50

3 to 4 ins. X.....12.00 \$100.00

Elegantissima, rooted

cuttings.....8.00

Pyramidalis, rooted

cuttings.....8.00 75.00

4 to 6 ins. X.....4.50 16.50

6 to 8 ins. X.....6.25 20.00

Globosa, rooted cuttings.....8.00 75.00

4 to 6 ins. X.....4.50 16.50

6 to 8 ins. X.....5.00 18.50

## BOXWOOD.

Old English Dwarf,

rooted cuttings.....6.00 45.00

3 to 4 ins. X.....12.00 100.00

4 to 6 ins. X.....15.00 125.00

5 to 7 ins. X.....16.50 140.00

Sempervirens, 1-yr. T.,

4 to 5 ins. X.....12.00 100.00

Korean, 1-yr. T.,

4 to 5 ins. X.....12.00

BARBERRY, Juniper,

4 to 6 ins. X.....6.25 20.00

6 to 8 ins. X.....7.50 27.50

ILEX crenata (Jap. Holly),

6 to 8 ins. X.....4.50 16.50

rooted cuttings.....8.00 75.00

## JUNIPERUS.

Andorra, rooted

cuttings.....8.00 75.00

4 to 6 ins. X.....4.50 16.50

6 to 8 ins. X.....6.25 18.50

Hetzl, rooted cuttings.....9.00 85.00

Hibernica (Irish),

rooted cuttings.....8.00 75.00

4 to 6 ins. X.....4.50 16.50

Sabina (Savin),

rooted cuttings.....8.00 75.00

4 to 6 ins. X.....16.50

PINE, Mugho, 1-yr. T.,

3 to 4 ins. X.....8.50

PIERIS japonica,

6 to 8 ins. X.....7.50 25.00

ESHAM'S NURSERIES

Frankford, Delaware

## EVERGREEN LINERS AND CUTTINGS.

## POT-GROWN EVERGREEN LINERS.

Each—Per 100 Per 1000

Biota aurea nana,

greenhouse-grown, ready May 1.\$0.20 \$0.18

Juniperus virginiana burkii,

1-yr., 5 to 6 ins., own root......27 .25

Juniperus chinensis pfitzeriana,

1-yr., 5 to 6 ins......20 .18

Juniperus hetzli glauca,

1-yr., 5 to 6 ins......20 .18

Arbovitae, Pyramid,

1-yr., 4 to 6 ins......18 .16

2-yr., 10 to 12 ins......27 .24

Taxus media hicksi,

1-yr. beds, 5 to 6 ins......15 .14

## HEAVY ROOTED CUTTINGS.

From flats, rooted outside in lath house.

Each—Per 100 Per 1000

Juniperus communis hibernica.....\$0.08 \$0.07

Juniperus communis ashfordii......08 .07

Arbovitae, American Dark Green,

Ready June 1......09 .08

Arbovitae, Pyramid,

Ready June 1......09 .08

Arbovitae, Globe Woodward,

Ready June 1......08 .07

Taxus media hatfieldii......12 .10

Taxus media No. 8, spreading......12 .10

Euonymus patens......07 .06

Deutzia gracilis......12 .10

2 per cent discount and free packing for

cash with order.

300 plants at 1000 rate.

## MIAMI NURSERY CO.

Tipp City, Ohio

Member of American Association of Nursa-

rymen and Ohio Nurserymen's Association.

## LINING-OUT STOCK.

Per 100

Juniperus, Golden Pfitzer, XX, field,

8 to 10 ins.....\$30.00

Thuja elegantissima, XX, field,

8 to 10 ins.....20.00

Taxus cuspidata, XX, field, 8 to 10 ins. 35.00

Juniperus, Von Ehron, 2 1/4-in. pots,

9 to 12 ins.....30.00

Juniperus, Golden Pfitzer, 2 1/4-in.

pots, 6 to 8 ins.....20.00

Juniperus, Andorra, 2 1/4-in. pots,

6 to 8 ins.....20.00

Above potted liners are now growing in

greenhouse. Shipment May 1 to 15.

Cash with order, packing free.

## DAMASCUS NURSERIES

Damascus, Ohio

Each

10,000 Pfitzer and Hetzli Junipers.

18 to 24 ins., light.....\$2.75

18 to 24 ins., heavy.....3.25

24 to 30 ins.....3.75

30 to 36 ins.....4.25

Euonymus patens, heavy, B.&amp;B.,

18 to 24 ins.....2.25

24 to 30 ins.....2.50

## BRUENING'S NURSERIES

Hixsonville, Mo.

## BOXWOOD.

Each

12 to 15 ins. B.&amp;B.....\$1.95

15 to 18 ins. B.&amp;B.....2.55

18 to 24 ins. B.&amp;B.....3.35

Hetzl Glauca Juniper, 24 to 30 ins. B.&amp;B. 2.75

Vase-shaped Juniper, 24 to 30 ins. B.&amp;B. 3.00

Waukegan Juniper, 30 to 36 ins. B.&amp;B. 3.35

## OAK GROVE NURSERY

3121 Phelps St., Ashland, Ky.

## JUNIPER GRAFTS.

Canaerti, Glauca, Burkli, Hetzli and Pfitzer-

iana on Virginiana understock. Price, \$40.00

per 100, or \$37.50 per 100 at the 1000 rate. 250

take the 1000 rate.

Terms: All cash with order earns free

packing, or one-fourth cash and balance be-

fore shipping date, plus packing charges at

cost.

We invite comparison with grafts of any

other company. Remember, when better

grafts are made, Crume will make them.

We are never able to supply our full demand.

Be wise and early, for the early bird catches

the worm.

T. C. CRUME NURSERY &amp; LDSC. CO.

Florence, Ky.

## FIELD-GROWN EVERGREEN LINERS.

One and two-year plants, well rooted and

well furnished with plenty of tops.

Each Per 100 Per 1000

Greek Juniper, 1-yr. plants,

6 to 12 ins.....\$0.12 1/2 \$0.10

Irish Juniper, 1-yr. plants,

8 to 15 ins......12 1/2 .10

Irish Juniper, 2-yr. plants,

8 to 24 ins......17 1/2 .15

300 or more at 1000 rate.

Stock will be well packed and guaranteed

to reach you in good condition. No packing

charge. Cash with order, please.

## NAUGHER NURSERY

Chase, Ala.

## ROOTED CUTTINGS.

Per 100

Juniperus glauca hetzli

Cut 8 to 12 ins.....\$10.00

Cut 12 to 18 ins.....20.00

Juniperus, Andorra, cut 6 to 8 ins.....8.00

Taxus hicksi, cut 8 to 12 ins.....10.00

Andersoni, cut 6 to 8 ins.....8.00

## NORWAY SPRUCE.

Last opportunity.

Husky 3-yr-old sdigs.

5 to 10 ins.

\$3.50 per 100; \$30.00 per 1000.

Free delivery. Cash with order, please.

## HILLS NURSERY

Labor-In-Vain Rd. Ipswich, Mass.

Grown and Wintered in Coldframes.

Euonymus patens, from 2 1/2-in. pots. Per 100 \$12.00

Euonymus radicans erectus, 2 1/2-in. pots 12.00

Euonymus patens and vegetus, extra-

strong plants from 2 1/2-in. rose pots, 16c ea.

VAN DOORN'S GREENHOUSE

Flora, Ind.

Write for our Spring Trade List of Lining-

out Stock of 1-yr. transplants and pot grafts

of Rhododendron named hybrids and Rhodo-

dendron hardy hybrid seedlings. Also strong

bench-grown Azaleas.

LEVICK NURSERY CO.

R.F.D. 3 Bridgeton, N. J.

UNROOTED CUTTINGS OF PFITZER

JUNIPER, 5 to 10 ins. long, not trimmed.

Moss packed; express only. \$10.00 per 1000.

Cash with order.

KRONE'S FLOWER SHOP

4221 Grand Ave. Fort Smith, Ark.

We imported from Holland in March

Rhododendron, Hybrids, grafted named va-

rieties, 1-year field-grown, 75c each, 3-year,

with buds, 12 to 15 ins., \$2.00 each.

VERKADE'S NURSERIES

Wayne, N. J.

EUONYMUS RADICANS VEGETUS.

Per 100 Per 1000

Strong rooted cuttings. \$8.00 \$75.00

PLANE VIEW NURSERY

Newport, R. I.

JUNIPERUS HETZII GLAUC.

Each per 100

1-yr., 4 to 6 ins. \$4.00 \$40.00

2-yr., 6 to 9 ins. \$8.00 \$80.00

BALCOM NURSERY

Kokomo, Ind.

TAXUS CUSPIDATA.

18 to 24 ins., \$35.00 per 10; \$300.00 per 100,

at nursery.

RINGDAHL'S NURSERY

Mohawk Acres Rome, N. Y.

CEDAR SEEDLINGS.

Bed run \$25.00 per 1000

Graded, 4 to 8 ins. 35.00 per 1000

KLEIN NURSERY

Enid, Okla.

EVERGREEN TREES. Seedlings, trans-

plants and finished B&amp;B specimens. Write for

wholesale list. THE PEQUOT NURSERIES,

Brainerd, Minn.

WHITE SPRUCES, 2 to 3 ft. and 3 to 4 ft.,

lots of 100 or more, \$1.75 ea.; you dig.

THE EVERGREEN NURSERIES

Lowell, Ind.

Surplus Stock

can be easily and quickly turned into

Cash

by listing it in the

American Nurseryman Classified Ads.

## FRUIT AND NUT TREES

CHINESE CHESTNUTS, U.S.D.A.

Pure Stock.

2-year seedlings.

Prices each per 10 100 1000

15 to 18 ins. \$0.30 \$0.25 \$0.20

20 to 24 ins. .35 .30 .25

25 to 28 ins. .45 .40 .35

30 to 36 ins. .65 .60 .50

P. F. BARRINGER Loachapoka, Ala.

Peach, Plum, Apricot, Fig, Persimmon,

Pecan, in fact anything you might need.

Write for our price list.

FITZGERALD'S NURSERY

Stephenville, Texas

Start Your Offer Now

in the American Nurseryman

And Watch Sales Climb.

## GRAPEVINES

NURSERY STOCK.

GRAPEVINES.

Fredonia, black;

Niagara, white. Each 10 100 1000

2-yr., No. 1. \$0.25 \$1.75 \$12.00 \$100.00

1-yr., No. 1. .20 1.50 9.00 70.00

Agawam, red;

Catawba, mahogany;

Worden, black;

Moore's Diamond, white;

Moore's Early, black.

2-yr., No. 1. .30 2.00 15.00 120.00

1-yr., No. 1. .25 1.75 12.00 90.00

Delaware, red;

Portland, white.

2-yr., No. 1. .30 2.25 18.00 150.00

1-yr., No. 1. .25 2.00 16.00 120.00

See our half-page advertisement on Straw-

berry Plants on Page 14.

No charge for packing when cash accom-

panies order.

Box 3 BUNTINGS' NURSERIES, Inc.

Selbyville, Dela.

## GRAPEVINES.

Per 25 Per 100

Concord, blue, 2-yr., No. 1. \$3.25 \$11.00

Concord, blue, 1-yr., No. 1. 2.75 9.00

Concord, blue, 1-yr., No. 2. 2.00 6.00

Fredonia, blue, 2-yr., No. 1. 2.75 9.00

Fredonia, blue, 1-yr., No. 1. 2.25 7.00

Niagara, white, 2-yr., No. 1. 3.00 10.00

Niagara, white, 1-yr., No. 1. 2.50 8.00

Delaware, red, 2-yr., No. 1. 3.50 12.00

Caco, red, 2-yr., No. 1. 4.00 14.00

Catawba and Agawam, red. 3.00 10.00

All other fruit plants. Send for list.

E. W. HUBNER NURSERY

Stevenage, Mich.

## GROUND COVERS

Vinca Minor, Periwinkle, Myrtle.

to 30-cane clumps, individually made up.

3-yr. old or more. Fresh-dug, purple and

white bloom, the finest ground cover. \$40.00

per 1000. Pachysandra 1 to 2 years old, \$50.00

per 1000.

2 per cent cash discount with order.

H. C. WAUGH

737 Greene St. Marietta, Ohio

PACHYSANDRA TERMINALIS.

Strong, 1-yr., field-grown, \$65.00 per 1000.

HILLCREST GREENHOUSE, Franklin, Pa.

## HARDY PLANTS

SNYDER'S

PERENNIAL SPECIALTIES.

1-year, blooming-size plants, grown in open

field beds of rich clay loam.

25 at 100 rate.

Per 100

Achillea Filipendulina, yellow. \$3.00

Alyssum Saxatile Compactum. 2.50

Anchusa Myosotidiflora. 8.00

Arabis Alpina Snowcap. 3.00

Aster Alpinus. Dwarf blue. 4.00

All long-spurred, from finest seeds.

Blue Shades, white centers. \$4.00

Chrysanthema, golden-yellow. 3.00

Copper Red, red shades. 3.00

Rose Queen, bright pink. 3.00

Scott Elliott's Hybrid, fine mixture. 3.00

Baptisia Australis, heavy plants. \$4.00

Catananche Caerulea, deep blue. 3.00

Centaura Montana, blue; heavy. 4.00

CAMPANULAS.

Carpatica Alba, pure white. \$3.00

Carpatica Blue. 3.00

Carpatica Dwarf Hybrids, fine dwarf. 4.00

Cullinmore, larger Carpatica hybrid. 3.00

Rotundifolia (Bluebells of Scotland). 3.00

Rotundifolia Olympica, larger bells. 4.00

CANTERBURY BELLS.

Blue, Cup-and-Saucer type. \$2.00

Rose, Cup-and-Saucer type. 2.00

Mixture, all types and colors. 2.00

DELPHINIUMS.

All sown last spring; all have bloomed.

Belladonna Improved, sky-blue. \$3.00

Belladonna Improved, lighter size. 2.00

Bellamosum Improved, deep blue. 3.00

Blackmore and Langdon Hybrids. 3.50

Chinese Alba, pure white. 3.00

Chinese Cambridge Blue. 3.00

Chinese Blue Mirror, navy-blue. 3.00

Lyondell Hybrids, all double; unsurpassed

in quality; most heat-resistant. 10.00

Lamarine, superior to Bellamosum. 4.00

Wrexham Hybrids, all later. 4.00

DIANTHUS.

Allwood, rich colors. \$4.00

Carnation Grenadin, red; bushy. 4.00

Deltoides Erecta, neat, upright red. 3.00

Loveliness, dainty; very fringed. 3.00

Plumarius, double; red and rose. 3.00

Plumarius Highland Hybrids. 3.00

Plumarius Spring Beauty, large double. 3.00

Sweet Williams, mixed; full color range 2.50

Dicentra Eximia. \$6.00

Dictamnus Fraxinella Alba, 2-year. 6.00

Dictamnus Fraxinella, pink; 1-year. 5.00

Euphorbia Corollata, pure white. 4.00

Gaillardia Aurea Pura, all yellow. 3.00

Gaillardia Burgundy, wine-red. 3.00

Gaillardia Bobin, dwarf. 3.00

Gaillardia Portola Hybrids. 3.00

Helianthemum Mutabile, evergreen. 3.00

HEUCHERAS.

All flat-grown, from open frames, sown last

spring; not blooming size.

Choice hybrids, all colors. \$4.00

Sanguinea, uniformly red. 4.00

Sanguinea Splendens, extra fine red. 5.00

GYPSOPHILAS.

All will give full bloom this summer.

Oldhamiana, pink; late summer. \$3.50

Paniculata, common Baby's-Breath. 3.00

Repens Rosea, pink-tinted dwarf. 3.00

Snow White Double, double blooms are

smaller but whiter than grafted. 3.50

IBERIS SEMPERVIRENS.

Snowflake, rooted cuttings from open frames,

started last fall; immediate delivery. \$3.50

Purity, rooted cuttings from open frames,

started last fall; immediate delivery. 5.00

Purity, 1-year field plants. 10.00

Full blooming effect this summer.

Callilepis, large spike; July 20. \$3.00

Longifolia Punctata, 2 ft.; Sept. on. 3.00

Pycnostachya Early Hybrids, July 10. 3.00

Pycnostachya, August. 2.50

Spicata, 30-in. spikes; July 1. 3.00

(Continued in next column.)

(Concluded from previous column.) Per

Scariosa, showy individual flowers borne. 100

in Delphinium-like arrangement; Sept. \$2.00

Scariosa September Glory, September on 4.00

Lilium Tenuifolium, 2-year bulbs. \$2.50

Linum Flammula Compactum, dwarf. 3.00

Lychnis Chalcidica, bright red. 5.00

Lythrum The Beacon, from seeds. 4.00

Lythrum Roseum, pink shades; heavy. 4.00

Oenothera Missouriensis, large yellow. 4.00

PHLOX SUBULATA.

All bushy plants, bloomed last spring.

Blue Hill, standard blue. \$4.00

Blue Hill, strong field divisions. 2.50

Emerald Cushion Blue, heavy plants. 5.00

Emerald Cushion Blue, heavy divisions 3.00

PLATYCODONS.

Double Blue, true stock; 2-year. \$6.00

Double White, 5% per cent true white;

1-year. 4.00

Grandiflora Blue, single; true; 2-year. 3.00

Grandiflora White, single; 2-year. 3.00

Shell-pink, true stock; 1-year. 3.00

PRIMULA POLYANTHA.

From finest seeds sown a year ago.

Giant Crimson, rich, even color. \$5.00

Giant Orange, shades of orange. 5.00

Giant White, a specially good strain. 5.00

Giant Yellow, rich shades of yellow. 5.00

Giant Mixture, all the above colors. 5.00

Pyrethrum Double Hybrids, all colors. \$5.00

Pyrethrum Ruby Red, large singles. 6.00

Rudbeckia Laciniata Golden Globe

(Sass), an improved Golden Glow;

fully double, globes of rich yellow; in-

sect and disease resistant; can be kept

to any height; field divisions, blooming

size. 8.00

Rudbeckia Purpurea (purple

Coneflower) 3.00

Salvia Jurisic, low-growing, lav.-blue. 4.00

Saponaria Ocymoides Splendens, pink. 4.00

Scabiosa Fischeri, lavender; July on. 3.00

Sedum Dragon's Blood, rooted divisions. 3.00

Statice Dumosa, silver and lavender. 3.00

Statice Latifolia, misty lavender-blue. 3.00

SHASTA DAISIES.

The finest varieties grown from seed.

Alaska, standard large single. \$2.50

King Edward VII Improved. 3.00

Marian Collier, refined; fringed effect. 3.00

Mount Everest, fine large-flowering. 3.00

The Speaker, very large; rated finest. 3.00

The Prince, 5-in. blooms, stiff stems. 4.00

Thermopsis Caroliniana, heavy plants. \$6.00

Verbascum Harkness Hybrids, yellow. 3.00

Veronica Blue Candle, rich blue. 3.00

Veronica Longifolia, lighter blue. 3.00

Immediate delivery.

Cash with order, please.

E. J. SNYDER, WEST MILTON, O.

DELPHINIUM.

We have a good supply of our usual extra-

fine transplanted Delphiniums ready for

immediate shipment. As our past grow-

ing season has been ideal, the stands are perfect

and the plants are well rooted. These are



## HARDY PLANTS—Continued

Top-quality Field-grown Perennials.			
	Doz.	100	1000
Aethionema grandiflorum.....	\$4.75	\$20.00	\$160.00
Alyssum saxatile citrinum.....	4.25	18.00	150.00
Alyssum saxatile.....	4.00	15.00	125.00
Anemone japonica alba.....	5.00	22.50	180.00
Anemone pulsatilla.....	4.75	20.00	160.00
Armeria Glory of Holland.....	4.75	20.00	160.00
Artemisia Silver King.....	4.25	18.00	150.00
Aster Beechwood.....	4.25	18.00	150.00
Challenger.....	4.25	18.00	150.00
Aster Gay Border Blue.....	4.25	18.00	150.00
Aster Mt. Everest.....	4.25	18.00	150.00
Aubrieta eyrei.....	4.75	20.00	160.00
Campanula carpatia.....	4.25	18.00	150.00
Campanula carpatia alba.....	4.25	18.00	150.00
Campanula carpatia.....	5.00	22.50	180.00
Carnations, mixed shades.....	5.75	30.00	240.00
Delphinium Pacific, light blue.....	5.75	30.00	240.00
Delphinium Pacific, dark blue.....	5.75	30.00	240.00
Delphinium Pacific, pure white.....	5.75	30.00	240.00
Delphinium Belladonna, 2-yr.....	4.75	20.00	180.00
Delphinium Bellamosa, 2-yr.....	4.75	20.00	180.00
Delphinium Cliveden.....	4.75	20.00	180.00
Beauty.....	4.75	20.00	180.00
Dianthus latifolius.....	4.25	18.00	150.00
Dianthus lat. Silver Mine.....	4.25	18.00	150.00
Dianthus Old Spice.....	5.00	22.50	180.00
Dicentra eximia.....	4.75	20.00	160.00
Dicentra spectabilis.....	6.00	35.00	280.00
Eryngium amethystinum.....	6.00	35.00	280.00
Euphorbia polychroma.....	4.00	20.00	160.00
Funkia glauca.....	4.25	18.00	150.00
Funkia subcordata grand.....	5.50	25.00	200.00
Gaillardia Giant English.....	4.00	15.00	125.00
Hyb.....	5.50	25.00	200.00
Gaillardia Mr. Sherbrook.....	4.50	22.50	180.00
Gaillardia Ruby.....	5.00	25.00	200.00
Geum Princess Juliana.....	5.50	25.00	200.00
Helenium Chipperfield.....	5.50	25.00	200.00
Orange.....	5.50	25.00	200.00
Helenium Moerheim.....	5.00	22.50	180.00
Beauty.....	4.75	20.00	160.00
Helenium Riverdon.....	4.75	20.00	160.00
Heuchera sanguinea.....	4.75	20.00	160.00
Liatis psychostachya.....	4.00	15.00	125.00
Liatis scariosa Sept.....	4.75	20.00	160.00
Glory.....	4.25	18.00	150.00
Lychnis viscaria fl.-pl.....	4.25	18.00	150.00
Lythrum superbum The Beacon.....	4.25	18.00	150.00
Lythrum superbum.....	5.00	22.50	180.00
Dropmore.....	4.25	18.00	150.00
Matricaria Silver Ball.....	4.25	18.00	150.00
Nepeta mussini.....	4.75	20.00	160.00
Oenothera Illumination.....	5.00	22.50	180.00
Pentstemon Garnet.....	5.00	22.50	180.00
Platycodon grandiflorum.....	4.00	15.00	125.00
Platycodon grand. album.....	5.00	22.50	180.00
Rudbeckia White Lustre.....	5.75	30.00	240.00
Salvia pitcheri.....	5.00	22.50	180.00
Scabiosa caucasica alba.....	4.75	20.00	160.00
Scabiosa caucasica.....	5.50	25.00	200.00
Miss Willmot.....	4.75	20.00	160.00
Sedum apurium Dragon's Blood.....	4.75	20.00	160.00
Thermopsis caroliniana.....	5.00	22.50	180.00
Thymus Border Gem.....	4.75	20.00	160.00
Veronica spicata.....	4.00	15.00	125.00
Veronica spicata rubra.....	5.00	22.50	180.00
Viola odorata Royal Robe.....	4.75	20.00	160.00
Herb-Tarragon Epicure.....	4.75	20.00	160.00

250 or more of one variety at 1000 rate.  
Please write for prices of varieties in which  
you are interested and which are not listed.  
THE WAYSIDE GARDENS CO.  
Mentor, Ohio

Attention, Landscape Men!			
	Per 10	Per 100	Per 1000
Aclepias tuberosa.....	\$2.00	\$20.00	\$150.00
Campanula rotundifolia.....	2.50	20.00	150.00
Dicentra eximia.....	2.50	20.00	150.00
Hepatica triloba (clumps).....	2.50	20.00	150.00
Heuchera americana.....	2.00	15.00	125.00
Heuchera villosa.....	2.00	15.00	125.00
Hydrastis canadensis.....	2.00	15.00	125.00
Iris versicolor.....	2.00	15.00	125.00
Lobelia cardinalis (clumps).....	2.75	25.00	200.00
Lobelia siphilitica.....	2.00	15.00	125.00
Pentstemon cobaea (clumps).....	2.50	20.00	150.00
Polemonium.....	2.00	15.00	125.00
Smilacina racemosa.....	2.00	15.00	125.00
Viola papilionacea var. priceana.....	1.50	10.00	80.00
Yucca filamentosa.....	3.50	30.00	240.00

Heavy nursery-grown, blooming-size plants,  
ideal for naturalizing. Prices F.O.B. nursery.  
25 at 100 rate. Cash with order.

HARDY ASTERS.			
Rooted cuttings.			
	Per 100	Per 1000	Per 10000
Beechwood Challenger, red.....	8.00	80.00	800.00
Harrington's Pink.....	8.00	80.00	800.00
Mount Everest, white.....	8.00	80.00	800.00
Violetta.....	8.00	80.00	800.00
Plenty, very large silvery-blue, yellow center.....	9.00	90.00	900.00
Frikarti (Wonder of Staefa), large lavender-blue.....	10.00	100.00	1000.00

PLANE VIEW NURSERY  
Newport, R. I.

## HARDY PLANTS.

This is our list of untransplanted plants  
available for immediate shipment. They are  
grown from seeds sown in June, 1950, and are  
not small seedlings, but are good sturdy  
plants. The growing season has been ideal the  
past year, and our crop of perennials is strong  
and well rooted. Our plants are packed to  
reach you in good condition.  
Price per 50 and 25 of one variety at the  
100 rate, 5 per cent discount in lots of 250  
or more of one variety or color.

Alyssum Saxatile (Basket of Gold).			
	Per 100	Per 1000	Per 10000
Aquilegia Crimson Star.....	4.50	45.00	450.00
Aquilegia, long-spurred blue.....	4.50	45.00	450.00
Aquilegia longissima, yellow.....	6.50	65.00	650.00
Aquilegia Mrs. Scott Elliott, mixed.....	3.50	35.00	350.00
Aquilegia Rose Queen.....	3.50	35.00	350.00
Aquilegia Silver Queen.....	3.50	35.00	350.00
Arabis alpina (White Rock Cress).....	3.50	35.00	350.00
Artemisia Silver King.....	3.50	35.00	350.00
Aster Harrington's Pink.....	3.50	35.00	350.00
Aubrieta Monarch, mixed.....	4.50	45.00	450.00
Carnation King of the Blacks, maroon.....	4.00	40.00	400.00
Carnation Golden Sun, yellow.....	3.50	35.00	350.00
Carnation, pink, clear color.....	3.50	35.00	350.00
Carnation, red, very profuse.....	3.50	35.00	350.00
Carnation, white, pure white.....	4.00	40.00	400.00
Carnation, mixed, wide range.....	3.50	35.00	350.00
Coreopsis Double Sunburst (New Gold).....	2.00	20.00	200.00
Delphinium—See elsewhere in this issue.....	3.00	30.00	300.00
Dianthus Plumarius, double, mixed.....	3.00	30.00	300.00
Dianthus Plumarius, Highland Queen, rose.....	3.50	35.00	350.00
Dianthus Plumarius, Spring Beauty, mixed.....	3.00	30.00	300.00
Dianthus Latifolius, dark red.....	3.50	35.00	350.00
Dianthus Barbatas Midget Mixed, dwarf.....	3.50	35.00	350.00
Dianthus Barbatas Scarlet Beauty.....	3.50	35.00	350.00
Dianthus Barbatas Vaughan's Mixed.....	3.50	35.00	350.00
Digitalis Giant Shirley, mixed.....	3.00	30.00	300.00
Gaillardia Burgundy, wine-red.....	3.50	35.00	350.00
Gaillardia Dazzler, yellow.....	3.50	35.00	350.00
Gaillardia Goble, dwarf.....	3.50	35.00	350.00
Gaillardia Portia, mixed.....	3.50	35.00	350.00
Gypsophila Paniculata, grafting size.....	6.00	60.00	600.00
Gypsophila Paniculata, liners.....	3.00	30.00	300.00
Gypsophila Paniculata, ungraded.....	4.00	40.00	400.00
Helianthemum (Sun Rose), mixed.....	3.00	30.00	300.00
Helioopsis (Hardy Zinnia), yellow.....	3.00	30.00	300.00
Iberis Gibraltarica, lavender.....	3.50	35.00	350.00
Iberis Jucunda, pink.....	5.00	50.00	500.00
Iberis Semperviridis, white.....	3.50	35.00	350.00
Iris Dichotoma (Vesper Iris).....	4.00	40.00	400.00
Lily of the Valley, waxen-white.....	1.50	15.00	150.00
Lilium tenuifolium (Coral Lily).....	3.50	35.00	350.00
Linum Perenne (Blue Flax).....	3.00	30.00	300.00
Lobelia Cardinalis, cardinal-red.....	3.50	35.00	350.00
Lychnis Chalcidica, scarlet.....	3.00	30.00	300.00
Matricaria Ball's Double White.....	3.00	30.00	300.00
Matricaria Ball's Double Golden.....	4.00	40.00	400.00
Myosotis (Forget-me-not), blue.....	4.00	40.00	400.00
Phlox—See elsewhere in this issue.....	4.50	45.00	450.00
Pyrethrum, crimson (Painted Daisy).....	4.50	45.00	450.00
Pyrethrum, rose and pink (Painted Daisy).....	4.50	45.00	450.00
Platycodon, early giant blue.....	3.50	35.00	350.00
Rudbeckia Purpurea, reddish-purple.....	3.50	35.00	350.00
Saponaria, rosy-pink.....	2.50	25.00	250.00
Shasta Daisy, large white.....	3.00	30.00	300.00
Shasta Daisy, Diener's Double White.....	4.00	40.00	400.00
Statice Latifolia, lavender.....	3.00	30.00	300.00
Stokesia Cyanea, blue.....	4.00	40.00	400.00
Viola Jersey Gem, blue.....	3.50	35.00	350.00
Viola Ark, rich ruby-red.....	3.50	35.00	350.00
Viola Chanteyland, apricot.....	3.50	35.00	350.00
Viola Waller Franklin, best mixture.....	3.50	35.00	350.00
Pansy Maple Leaf, large blooms, mixed.....	2.50	25.00	250.00
Violet Royal Robe, blue.....	16.00	160.00	1600.00

Send for Copy of Our Free Catalog.  
"Old Homestead Brand"

BOX 21 Plainwell, Mich.

HARDY PERENNIALS.			
	Per 100	Per 1000	Per 10000
Anthemis Moonlight, 1-yr.....	\$15.00	\$150.00	\$1500.00
divisions.....	8.00	80.00	800.00
Aster Mt. Everest, white, 1-yr.....	15.00	150.00	1500.00
runners.....	6.00	60.00	600.00
Aster Sunset Pink, lavender-pink, 1-yr.....	15.00	150.00	1500.00
runners.....	6.00	60.00	600.00
Phlox Mary Louise, pure white, 1-yr.....	15.00	150.00	1500.00
Phlox E. I. Farrington, salmon-pink, 1-yr.....	15.00	150.00	1500.00
Lythrum Morden's Pink, heavy liners.....	8.00	80.00	800.00
Polemonium Blue Pearl, 1-yr.....	18.00	180.00	1800.00
divisions.....	8.00	80.00	800.00
Sedum alizon, 1-yr.....	18.00	180.00	1800.00
divisions.....	8.00	80.00	800.00

PLANE VIEW NURSERY  
Newport, R. I.

## TWO HUNDRED THOUSAND DELPHINIUMS.

We have the nicest block of 1-year delphiniums  
we ever raised. They are extra-nice  
plants and not lining-out seedlings. Grown  
from the finest seeds. This strain is  
practically 100 per cent double.

Per 100 Per 1000			
Belladonna, Bellamosum.....	\$5.00	\$50.00	\$500.00
Gold Medal, Pac. Hyb.....	6.00	60.00	600.00
Black Knight, Galahad, Quinwara, Blue Jay and Summer Skies.....	7.00	70.00	700.00

VITTNER'S GARDENS  
P. O. Box 216, Sta. A. Manchester, Conn.

BLEEDING HEARTS.			
	Per 100	Per 1000	Per 10000
Dicentra Spectabilis, 3 to 5.....	\$25.00	\$250.00	\$2500.00
Dicentra Spectabilis, 6 to 8 and up.....	35.00	350.00	3500.00
Dicentra Eximia, 3 to 5.....	15.00	150.00	1500.00
Dicentra Eximia, 6 to 8 and up.....	20.00	200.00	2000.00

J. HENDRIKS, GROWER, PORTAGE, MICH.

## Strong, 1-yr. field-grown plants.

(May, 1950, planting)

Strong, 1-yr. field-grown plants.			
	100	1000	10000
Aquilegia, Dobbie's Imp. Hybrids, mixed.....	\$3.50	\$35.00	\$350.00
Aquilegia, Mrs. Scott Elliott, mixed.....	3.50	30.00	300.00
Delphinium Belladonna, light blue.....	3.00	27.00	270.00
Delphinium Bellamosum, dark blue.....	3.00	27.00	270.00
Oriental Poppy, scarlet.....	3.50	30.00	300.00
Pyrethrum, Robinson's Hybrids.....	5.00	47.00	470.00
Rudbeckia purpurea, 2-yr.....	3.00	25.00	250.00
Russell's Lupine.....	5.00	47.00	470.00
Tritoma Pfitzer.....	4.00	37.00	370.00

NOVOTNY GARDENS, Osage, Iowa

## STRONG, TRANSLANTED FIELD-GROWN PERENNIALS.

for spring shipment.

Per 100			
Aquilegia, Scott Elliott's.....	\$10.00	\$100.00	\$1000.00
Carnation Grenadin, Golden Sun, scarlet- red, dark red or mixed colors.....	7.00	70.00	700.00
Delphinium, Belladonna.....	10.00	100.00	1000.00
Bellamosum.....	10.00	100.00	1000.00
Wrexham.....	10.00	100.00	1000.00
Dianthus Barbatas.....	6.00	60.00	600.00
Gaillardia, Burgundy, Goblin or Dazzler.....	9.00	90.00	900.00
Lupines, Russell, not transplanted.....	7.00	70.00	700.00
Pansy, Swiss Giants.....	3.00	30.00	300.00
Shasta Daisy Alaska.....	8.00	80.00	800.00

NORTH POLE NURSERY  
Cornucopia, Wis.

## PINK SACHET.

Introducing a new Old-Fashion Pink. Large  
(2-inch) single, pink flowers with maroon  
center. Fragrant, hardy, with good foliage.  
Excellent for cutting. 10-inch stems.

Doz. 100  
\$4.00 \$35.00

FLANE VIEW NURSERY, Newport, R. I.

PERENNIALS, 2 1/2-in. pots, heavy, green-  
house-grown. Hardened in cold frames. Pacific  
Hybrid Delphiniums in main varieties.  
Marconi Shasta Daisy, Robinson's Pyrethrum.  
Radiant Red Geraniums for bedding. All  
\$10.00 per 100.

RIEMENSNIJDER'S GARDEN  
Sandwich, Ill.

## PERENNIALS.

New and Standard Kinds.

A most modern and complete selection.

New Wholesale List now ready.

Send for your Free Copy Now.

**HARDY PHLOX.**

We have the following list of No. 1 Phlox grown from rooted cuttings planted last May. These are strong, well rooted plants and are now ready to be shipped.

Price per 50 and 25 of one variety at the 100 rate. 5 per cent discount in lots of 250 or more of one variety.

Charles Curtis, brilliant cherry-red.  
Chieftain, rich intense crimson.  
Daily Sketch, light pink with carmine eye.  
Leo Schliager, bright red.  
Mary Louise, pure white.

100 of one variety, \$14.00.

10 of one variety, \$1.75.

Prime Minister, pure white with red center.  
Thor, deep salmon-pink with scarlet overtones.  
100 of one variety, \$12.00.

10 of one variety, \$1.50.

We have the following list of No. 2 Phlox, grown from rooted cuttings planted last May. These are nice plants, except they are somewhat smaller than the regular size. They will bloom this year.

Africa, deep carmine-red with darker eye.

Annie Laurie, salmon-red.

Border Queen, deep watermelon-pink.

Caroline Vandenberg, nearest to blue.

Daily Sketch, light pink, carmine eye.

Leo Schliager, bright red.

Mary Louise, pure white.

Morvenwood, striking red.

Prime Minister, pinkish-white, red center.

Salmon Glow, deep salmon.

Starlight, orchid, white eye.

Thor, deep salmon pink with scarlet overtones.

100 of one variety, \$8.00.

10 of one variety, \$1.00.

Send for a Copy of Our Free Catalog.

**RICHARDS GARDENS**

"OLD HOMESTEAD BRAND"

Box 53 Plainwell, Mich.

**PHLOX.**

Heavy Grade Stock.

Prompt Delivery.

Per 100 Per 1000

B. Comte. Satiny amaranth. \$18.00 \$150.00

Bright Eyes. Brilliant red. 18.00 150.00

Chas. Curtis. Sunset-red. 18.00 150.00

Cheerfulness. Orange-red. 18.00 150.00

Count Zeppelin. White with red eye. 18.00 150.00

Daily Sketch. Salmon-pink. 18.00 150.00

D. Klemm. Silvery-lavender. 15.00 120.00

George Stipp. Glowing salmon. 15.00 120.00

Harvest Flag. salmon-orange. 18.00 150.00

Katrien. Light lavender. 18.00 150.00

Leo Schliager. Brilliant scarlet. 22.50 180.00

Mary Louise. Late pure white. 20.00 160.00

Painted Lady. Pink. 18.00 150.00

Pinkette. Delicate pink. 20.00 160.00

Progress. Light blue with deeper eye. 18.00 150.00

Purple Heart. Deep blue-purple. 18.00 150.00

Rosy Blue. Soft lavender-blue. 18.00 150.00

Sonja. Pale blue, yellow eye. 20.00 160.00

Starlight. Rich violet, white eye. 18.00 150.00

Sweetheart. Pure salmon-pink. 18.00 150.00

Von Lassburg. Midseason white. 18.00 120.00

Widar. Violet, white eye. 15.00 120.00

250 or more of one variety at 1000 rate.

**THE WAYSIDE GARDENS CO.**

Mentor, Ohio

**HARDY PHLOX.**

Strong, No. 1 field-grown plants with plenty of long roots.

\$12.00 per 100; \$100.00 per 1000.

Immediate shipment if desired.

350 Caroline Vandenberg (Blue)

1750 E. I. Farrington (Salmon)

3550 Salmon Glow (Salmon)

1450 Polka Dot (White, red-eye)

680 Rheinlander (Salmon)

339 Hauptmann Kohl (Cherry-red)

5550 Prime Minister (White, red eye)

500 Charles Curtis (Orange)

825 Mary Louise (White)

2075 Eva Forrester (Pink)

475 Bright Eyes (Red)

1507 B. Comte (Dark Red)

1316 Border Queen (Pink)

525 San Antonio (Purple)

1444 Tigress (Orange)

2175 July Glow (Red)

2017 P. D. Williams (Pink, red eye)

**THE KRIDER NURSERIES, Inc.**

Middlebury, Ind.

PHLOXES.

\$9.00 per 100; \$80.00 per 1000.

Please write for list.

**GULDEMOND NURSERIES**

Galesburg, Mich.

Don't Be Late!

Mail advertising copy to reach

the American Nurseryman

Monday, two weeks before date of issue.

**ROSEBUSHES**

**ROSEBUSHES.**

2-year-old, heavy, field-grown rosebushes wrapped, with colored pictures and waxed, in the following varieties:

Editor McFarland, Golden Salmon, Caledonia, E. A. Viktorov, Pink Dawn, Golden Charm, Luxembourg, Condessa de Santiago, Tallman, Pink Radiance, Paul Neyron.

**CENTURY FLORISTS & NURSERYMEN**

Phone: RA 1-7900

9660 Carnegie Ave. Cleveland 8, Ohio

**SHRUBS and TREES****HEAVY LINING-OUT TREES.**

Per 100

500 Pfister, 12 to 18 ins. XXX, 5-yr. \$100.00

500 Spreading Yew, 12 to 15 ins. XXX, 5-yr. 90.00

300 Andorra Juniper, 15 to 18 ins. XXX 75.00

500 Weeping Willow, yellow, 7 ft. 40.00

1000 American Arborvitae, 5-yr. XXX, 1 ft. average. 35.00

1000 Red Barberry, 15 to 18 ins. at a bargain.

Dig yourself. Heavy soil means heavy root systems. It pays to see us!

**A. G. HEISE**

4060 Washtenaw Rd. Ann Arbor, Mich.

Phone 28920

**SHADE TREES.**

Thornless Honey Locust.

Each per 100 Each per 1000

4 to 6 ft. \$0.45 \$0.35

6 to 8 ft. .75 .65

8 to 10 ft. 1.00 .80

1 to 1 1/2 in. 1.50 1.40

1 1/2 to 3 in. 2.00 1.85

**FARNER NURSERY**

Plainview, Tex.

**CHINESE ELM.**

Each

6 to 9 feet. \$1.25

8 to 10 feet. 1.85

10 to 12 feet. 2.75

Also Sweet Gum, Red Oak and Redbud.

**VERHALEN NURSERY CO.**

P.O. Box 9876 Dallas, Texas

"Your profits grow in Verhalen plants."

**ILLICUM ANISATUM.** (Anise Tree).

Nice, heavily rooted liners.

Per 100

6 to 8 in. cuttings, transplanted. \$ 8.00

8 to 12 in. cuttings, transplanted. 10.00

12 to 18 in. cuttings, transplanted. 12.50

**BLACKWELL NURSERIES**

Semmes, Ala.

**BERBERIS THUNBERGI**

**ATROPURPUREA.**

Extra-heavy transplants. Each per 100

12 to 15 ins. \$0.30 \$0.25

18 to 24 ins. .45 .40

**TWIN CEDAR NURSERY**

Williamsburg, Mass.

**LINING-OUT STOCK.**

We offer Chinese Chestnuts, Native Shrubs,

Trees and Evergreens; Flowering Peach,

Fruit and Shade Trees. Top-quality, dependable

plants at reasonable prices.

**GLOBE NURSERIES**

Box 249 McMinnville, Tenn.

**MAGNOLIAS.**

Potted in 2 1/2-in. pots, August, 1950.

Each

Soulangiana nigra, 6 to 8 ins. \$0.25

Soulangiana, 6 to 8 ins. .30

**WELCH BROS. NURSERY**

Semmes, Ala.

**CHINESE ELM LINERS.**

Row-run seedlings, 3 to 6 ft.

30c ea. per 10; 25c ea. per 100; 20c ea. per

1000.

**FARMERS NURSERY**

Plainview, Texas

**MUST BE MOVED.**

One block of about 2,000 Silver Maples,

3 1/2 to 10 ft. Would prefer you dig yourself.

Call or write to nursery.

**JOHN G. ZELENKA**

R. 2, Box 293 Grand Haven, Mich.

**SHADE TREES.**

30,000 Sugar Maples, 1/2 to 3-inch cal.

native seedbed, Special price on lot for fall

planting.

**QUALITY NURSERIES**

Allenwood, Pa.

**CALIFORNIA PRIVET.**

Row Run.

15 to 36 inches. \$40.00 per 1000.

**CENTURY FLORISTS & NURSERYMEN**

9900 Carnegie Ave. Cleveland 6, O.

Phone: CE 1-8500

**RED OAK**

12 to 15 feet. 2 to 2 1/2 in.

\$70.00 per 10; \$600.00 per 100, at nursery.

**RINGDAHL'S NURSERY**

Mohawk Acres Rome, N. Y.

RED OAK, 15 to 18 ft., 2 to 3-in. cal.;

straight 6-ft. trunks. \$7.00 ea. **BEAUX ARTS**

**NURSERIES**, Lower Barn, N. J.

**Turn Stock into Dollars**

by Listing It in the Classified Ads

of the American Nurseryman.

**VEGETABLE ROOTS**

**ASPARAGUS ROOTS.**

Mary Washington, nice roots, 1-yr., \$2.50

per 100; \$12.00 per 1000. More asparagus

raised in south Jersey than any state excepting

California. New Jersey, home of asparagus.

**WARREN SHINN'S NURSERY**

Woodbury, N. J.

**VEGETABLE PLANTS****WHOLESALE PRICE LIST--1951**

**VEGETABLE PLANTS.**

Plant Variety Date Ready Per 1000

Cabbage ..... Now \$2.00

Collard ..... Now 2.00

Onion ..... Now 1.00

Lettuce ..... Now 3.00

Broccoli ..... Now 3.00

Cauliflower ..... Now 4.00

Pepper ..... Now 3.50

Eggplant ..... Now 3.50

Tomato ..... Now 3.00

Sweet Potato ..... Now 3.50

All above prices F.O.B. Albany.

Leading varieties. Write for catalog.

Large, fresh plants. Prompt shipment.

Write or wire

**PIEDMONT PLANT CO.**

Box 946 Albany, Ga.

**MISCELLANEOUS**

Vinca minor, excellent evergreen ground

cover, organically grown plants, \$16.00, \$24.00

and \$40.00 per 1000. Honeysuckle, good

ground cover, \$15.00 per 100. Wineberries, 20c

each. Earthworms, nature's best soil builders,

\$20.00 per 1000. S. Rodkin, VARIETY NURS-

ERY FARMS, R.F.D. Lambertville, N. J.

**SUPPLIES****MEL-LO PEAT.**

Pure sedge, sun-cured, air-dried, 96 per

cent humus, 2 to 2 1/2 per cent nitrogen, pH

5.3 to 5.5. Greenhouse operators, florists and

growers write us the results they have with

Mel-lo. Nurserymen, write the Ohio State

nursery, at Marietta, Ohio, and see what they

think of Mel-lo. They use it; they know.

Cement like it, as it's easily worked into

the soil, holds moisture at root level and

germinates seeds quickly. Weighs only 80 lbs.

per bag, which means low freight cost. No. 2,

shredded, ideal for greenhouse and growers.

No. 1, fine-milled, for lawns, golf courses.

Send check with order and order early.

Each

5 to 55 large 2-bu. bags. \$1.35

F.O.B. our plant. 1.25

51 to 100 large 2-bu. bags. 1.25

F.O.B. our plant. 1.15

101 to 200 large 2-bu. bags. 1.15

F.O.B. our plant. Excellent for pansies, African violets, azaleas,

begonias, snaps, cyclamen, camellias,

carnegies and many other plants.

## SUPPLIES—Continued

**JUNIOR HORTICULTURAL PEAT.**  
A quality mixture of Sphagnum, Sedge and Reed Peats; 84 per cent organic; pH 4.5; contains nitrogen. Many customers say, "Best peat we have ever used."

Available in Polythene-lined burlap bags (120 lbs.), neat Satchel cartons, (35 lbs.) and in bulk.

Ready to use, no hard lumps, no presoaking necessary. More organic matter for your money than in clear Sphagnum baled peats. Ask for prices.

**JUNIOR PEAT CO.**  
451 So. Main St. Geneva, N. Y.

**BARGAIN CYPRESS FLATS, K.D.**  
Made from No. 2 grade Red Cypress. Has some defects but guaranteed all usable pieces. Orders must be in units of 100-200 and up.

Size 20x15x3 ins. Inside, \$31.50 per 100. We ship same day, subject to present stock. Attach check to order, please.

**YOHO & HOOKER,** Youngstown 2, Ohio

**MINNESOTA WHITE CEDAR FLATS.**  
12x16x2 1/2 ..... \$20.25 per 100  
14x20x2 1/2 ..... 24.00 per 100  
14x20x3 1/2 ..... 27.00 per 100  
Other sizes quoted on request. Also crating and other lumber. Aspen and Pine. F.O.B. Cook, Minn. Please attach check.

**H. C. HILL & SONS, Cook, Minn.**

**WISCONSIN'S QUALITY SPAGNUM MOSS.**  
Clean, long-fibered, solidly packed in burlapped or wired bales of standard size, direct from drying beds. None better.

Trucked when feasible.

**WARRENS MOSS CO., Box 7, Warrens, Wis.**

**PRINTING—Letterheads, Billheads, Statements, Cards, Envelopes, Tags, Blotters, Folders. Samples sent.**

**J. GARLAND HILL, Dept. A, Seaford, Del.**

The Trade's Buying Guide—  
The American Nurseryman Ads.

## WANTED

**FOR LATE FALL, 1951.**  
Ilex crenata microphylla or rotundifolia, either variety, delivered Brooklyn, N. Y.

2000 18 to 24 ins.

600 2 to 3 ft.

250 3 to 4 ft.

90 4 to 5 ft.

**FOR SPRING, 1952.**

90,000 Hedera helix, out of 2 1/2-in. pots, 3 strands, 12 ins. long, delivered Brooklyn, N. Y.

Want to contract now with cash deposit for cash transaction.

**SAXE CONTRACTING CO.**

136 East 57th St., New York 22, N. Y.

**WANTED.**

5,000 Azalea cuttings, when wood is right this summer, varieties hardy to 10 below zero. Send varieties and price now.

**QUALITY NURSERIES**

Allenwood, Pa.

**WANTED.**

Hall's Honeysuckle.

Red Pine.

**BROUWER-HUTT NURSERIES**

Phone 3864 Glastonbury, Conn.

**WANTED.**

White Japanese Quince.

**THE PETER CASCIO NURSERY**

2600 Albany Ave. W. Hartford 7, Conn.

## CONTROL FOR RED STELE STRAWBERRY DISEASE.

Subsurface applications of Dithane D-14 have resulted in a 100 per cent control of the red stele disease of strawberries, for which there was no successful treatment previously. Developed by E. M. Stoddard, plant pathologist at the Connecticut agricultural experiment station, the chemotherapeutic method represents an entirely new approach to a root disease problem.

Caused by a fungus, red stele attacks strawberry roots, causing plants to wilt and to die. Rapid-spreading, the disease is rarely confined to spotted locations in a bed and usually infects the entire bed or field.

In Mr. Stoddard's greenhouse ex-

periments, strawberry plants, growing in sand, were given subsurface applications of Dithane D-14 at two different concentrations, .75 and 1.5 per cent. After being treated, the strawberry plants were planted in soil infested with the red stele fungus. The higher concentration of the chemical resulted in 100 per cent control; the lower concentration gave sixty-three per cent control. Of the untreated plants used for checking purposes, only seven per cent escaped the infection.

The fact that control was obtained by treating plants grown in sand and then planted in untreated infested soil with no further treatment indicated that Dithane D-14 was absorbed by the plants and acted as a chemotherapeutant and not as a soil sterilizer. A similar method of chemotherapy has been used with some success in the control of Dutch elm disease when entirely different chemicals were applied.

In field trials, Mr. Stoddard found that Dithane D-14, applied at the rate of six quarts to 100 gallons of water, completely prevented the spread of red stele from an infected area. A subirrigation gun attached to a high-pressure sprayer was used to apply the solution; however, the chemical cannot be used as a foliage spray, because a complete killing of strawberry plants resulted when this was attempted. When the material was watered on the surface of the soil, severe damage to the plants also resulted. No damage was suffered by the strawberry plants, however, when the subsurface method was used.

## NEW PAPER PLANT.

Dr. Maurice E. Barker, head of the department of chemical engineering, at the University of Arkansas, announced recently at a meeting of the American Chemical Society that a new source of paper had been found in a plant which can be grown from Virginia to Kansas and which stops erosion and improves the soil. The stalks of the plant, which is called sericea, can be processed to make paper that can compete with paper made from wood pulp both in quality and cost of production.

Sericea can be made into building board which is "a superior product when compared to any material on the market," Professor Barker said. It also can be made into rayon and other cellulose products and, in addition, sericea seeds produce cooking oils and the leaves yield tannin for the leather industry.

## RECENT BOOKS

**ROSES FOR SOUTHERN GARDENS.**  
by Bessie M. Baird, \$5.00.

**THE PLANT IN MY WINDOW.**  
by Ross Parmenter, \$2.50.

**LILIES FOR EVERY GARDEN.**  
by Isabella Preston, \$2.00.

**GARDEN LILIES.**  
by Alan and Esther Macneil, \$3.50.

**GROUNDS FOR LIVING.**  
Edited by Ingham and Farnham, \$2.50.

**ARMCHAIR GARDENING.**  
by T. H. McHatton, \$2.50.

**THE WEEKEND GARDENER.**  
by Dorothy H. Jenkins, \$2.75.

**PACIFIC COAST GARDENING GUIDE.**  
by Norvell Gillespie, \$3.00.

**SEED AND POTTING COMPOSTS.**  
by Lawrence and Newell, \$1.75.

**VEGETABLE GROWING.**  
by J. S. Shoemaker, \$4.50.

**FINANCING THE FARM BUSINESS.**  
by Duggan and Battles, \$4.00.

**A HISTORY OF HORTICULTURE IN AMERICA TO 1860.**  
by U. P. Hedrick, \$7.50.

For sale by

**AMERICAN NURSERYMAN**  
343 S. Dearborn St. Chicago 4, Ill.

**HYPONEX**  
Grows Better Plants Faster  
In SOIL, SAND or WATER

Simply dissolve and water all your houseplants, garden flowers, vegetables, shrubs or lawn. Produces stronger plants, more and larger flowers and fruit. Excellent for starting seedlings, cuttings, transplants. Clean, odorless. Won't burn foliage or roots if used as directed. Contains all nutritional elements complete and balanced—plus vitamin B1—Instantly available. Results sure.

**Sell HYPONEX to your customers.**

1-oz. packet	.....10¢	packed 72 to case—wt. 7 lbs.
3-oz. can	.....25¢	packed 36 to case—wt. 13 lbs.
7-oz. can	.....50¢	packed 24 to case—wt. 14 lbs.
1-lb. can	.....\$1.00	packed 12 to case—wt. 16 lbs.
10-lb. drum	\$6—25 lbs. \$15—50 lbs. \$25—100 lbs. \$40	

Commercial growers and dealers receive 33-1/3% discount from the above retail prices.

**BUY HYPONEX from your jobber or send \$1 for 1 lb. (makes 100 gallons). \$1 credited on first order for 1 drum or case.**

**HYDROPONIC Chemical Co., Inc. Copley, Ohio**

**A. M. & SON**  
**LEONARD**  
PIQUA, OHIO  
Knives - Shears - Pruning Tools  
Nursery Spades-Grafting Supplies  
WRITE FOR CATALOG



**H. H. BENNETT CONTINUES.**

Retention of Dr. Hugh H. Bennett, chief of the Soil Conservation Service, past his retirement date was announced last month by Secretary of Agriculture Charles F. Brannan.

Dr. Bennett, who was 70 years old April 15, has been with the United States Department of Agriculture since 1903, as soil chemist and soil surveyor, and as chief of the Soil Conservation Service since its establishment in 1935.

He has been a soil conservation advocate and leader since shortly after he graduated from the University of North Carolina in 1903 and entered the old bureau of chemistry and soil as a soil chemist. He turned a temporary assignment to field duty into permanent field work.

His specific interest in soil conservation dates back to 1904 when he concluded, during a soil survey of Appomattox county, Virginia, that accelerated, or man-made, soil erosion had been an important farm problem since the days before the Civil war.

Largely on the basis of Dr. Bennett's recommendations, Congress in 1929 authorized setting up ten erosion control experiment stations in cooperation with the states in representative agricultural areas. When the soil erosion service was created in 1933 to demonstrate soil and water conservation methods on actual farms and watersheds in erosion control projects, Dr. Bennett was named to head the program.

He continued as chief of the renamed Soil Conservation Service when it was transferred to the Department of Agriculture, where it became a permanent agency under the soil conservation act of April 27, 1935.

**OWNER L. B. Hodges, of Hodges Nursery, 3737 Long Beach boulevard, Long Beach, Calif., has started a self-service department.**

**TRUSTEES** recently awarded Stephen L. Vistica, nurseryman at San Mateo, Calif., a contract for landscaping the North Hillsborough school.

**HELP WANTED**—On Long Island. Propagator, man capable of taking charge of 3 greenhouses totaling 9,000 square feet, also seedbeds and frames. Instructing and handling men. Must understand grafting of rhododendrons, also other ornamental plants, grafts, seedlings or rooting. Must furnish references. **BAGATELLE NURSERY, P. O. Huntington Station, L. I., N. Y.**

**LANDSCAPE ARCHITECT** — Will design detailed landscape plans to scale for nurseries on a 10 per cent of the cost of the materials basis. Send a rough sketch giving exact dimensions, etc. **H. J. BAKER, 1412 W. Main, Crawfordsville, Ind.**

**WANT ADS**

Help and Situation Wanted and For Sale advertisements.

Display: \$3.00 per inch, each insertion.

Lines: 25¢ line; minimum order \$2.00

**HELP WANTED**

Experienced perennial grower wanted. Must know propagation and care of a complete line of perennial plants. This is an excellent position for the right man. Please do not answer unless you are qualified, we do not need amateurs. Write us full details, or for an appointment for a personal interview.

**CARROLL GARDENS**  
Westminster, Md.

**HELP WANTED**

Sales manager for midwest territory. Give complete information in first letter. Address Box 800, care of American Nurseryman.

**HELP WANTED**

Landscape man, young to middle-aged, with practical experience in selling, designing and planting.

**JOHN DIECKMANN & SONS**  
Elm Grove, W. Va.

**HELP WANTED**

General manager for young but established nursery centrally located in the Carolinas. Fully stocked and equipped for general landscaping. Must be over 30 years old and experienced. Address Box 799, care of American Nurseryman.

**HELP WANTED**

Landscape foreman to take charge of general landscaping and planting. House available.

**DE KALB NURSERIES, Inc.**  
P. O. Box 67 Norristown, Pa.

**HELP WANTED**

Landscape foreman for housing project and nursery operations. Unusual opening for aggressive man. Opportunity for part interest to right party. Permanent. Near Baltimore, Md. State age, experience, etc. Address Box 752, care of American Nurseryman.

**HELP WANTED**

Experienced propagator desiring permanent employment. Prefer middle-aged man of proven ability for propagating general line of ornamentals. Give age, experience, reference and salary expected in first letter. Address Box 793, care of American Nurseryman.

**SITUATION WANTED**

Nurseryman, fully experienced in nursery and greenhouse work, also salesmanship, desires permanent position as nursery foreman for a reliable firm on Long Island or in New Jersey. Address: 6 Old Tree Lane, Great Neck, L. I., N. Y. Phone: G. R. 2-6350.

**FOR SALE**

Neilsen Nursery greenhouse department, Council Bluffs, Ia. One of the finest businesses in the state. Wholesale, retail pot plants, boxed vegetables, annuals and perennials sold to established businesses in Iowa, Missouri and Kansas, all within 200 miles of Council Bluffs, delivered by trucks. This is a remarkable business and must be seen to be appreciated. Books opened to interested party. Buildings consist of 3 greenhouses, 20 x 180; 20 x 81; 20 x 96; new boilers; 7 hot water heated beds with 500 like new hotbed sash; storage cave, 14 x 30; lath house, 21 x 42; warehouse, new, 45 x 66; garage, 24 x 40, 2-story; office and salesroom with basement, 24 x 48, like new. This whole plant on about 2 acres of ground. More ground if needed. On paved highway 375, edge of Council Bluffs, lots of traffic. Plant has big inventory, will be sold down to handle. Possession can be given in June or before. We invite you to see this in full operation. Write or call. Terms can be arranged. Will take from \$30,000.00 to \$50,000.00 to handle.

**ALFRED T. NEILSEN'S**  
**NURSERIES**

2807 South Ave.  
Council Bluffs, Ia.

**FOR SALE**

3-bedroom home, 3 city lots, in city of 5,000 population. 3-year-old nursery in virgin territory, no stock and no equipment. Well advertised name of Perryton Nursery, good reputation. Priced to sell in 15 days. \$11,000.00. Owner moving to New Mexico. Owner will carry note. Write: **LEWIS E. EMERICK, 413 N.E. First Ave., Perryton, Tex., or call 6611.**

**FOR SALE**

If you are interested in buying a good-going nursery business—one that is making money and will make plenty of money in years to come—this business has already been built for you. For information write us, or better yet, come and see me.

**RIDGE MANOR NURSERIES**  
E. J. Fields, Prop. Geneva, Ohio

**FOR SALE**

Well established landscape and maintenance business, including small nursery in excellent location in expanding community on south shore of Long Island, N. Y. Fully equipped, including truck, Rototiller, tools, land for growing stock and large barn. **CARL FALKENBACH, 22 Bayside Pl., Amityville, N. Y.**

## A Pansy of TRUE DISTINCTION



### Steele's Mastodon Butterfly HYBRID

Here's the pansy of popular acclaim. Retailers in every state tell us of its popularity. Unbelievably ruffled and fluted. Colored like a magic rainbow. Sturdy and strong growing. Tolerates heat.

Send for booklet on Commercial Pansy Culture and 1951 Natural Color Catalog.

#### STEELE'S PANSY GARDENS

Since 1893  
2715 S. E. 39th Ave.  
PORTLAND 2, ORE.

### A. B. C. "Supreme" Quality SEEDS—PLANTS—BULBS and Growers' Accessories

Write for our latest prices.

#### AMERICAN BULB CO.

1335 W. Randolph St. CHICAGO 7  
31 W. 27th St. NEW YORK 1

### SEEDS

Collectors of Tree, Shrub and  
Wild Flower Seeds  
Crude Drugs and Ornamentals

E. C. MORAN Stanford, Mont.

### GO "DANDY DIBBER"

PLASTIC—DIRT WILL NOT STICK  
Designed by a commercial grower. Ideal for  
transplanting small plants—onion sets, etc.  
Will save hours. Silken smooth—wear resis-  
tant—stainless. Thoroughly tested and  
proved the best material for this use.  
3/4" by 5 1/4" Postpaid \$1.  
GRO-QUICK Mfg., 388 W. Huron St., Chicago 10, Ill.



### WEED CONTROL EQUIPMENT TESTS.

Research on weed control equipment and new chemicals was outlined recently by Russell E. Larson, agricultural engineer of the United States Department of Agriculture's research center, Beltsville, Md., at a meeting of the North Central Weed Control Conference at Milwaukee, Wis.

Seal breakdown is the most common fault of sprayer pumps, Mr. Larson told the group. He added that bearing failures also were frequent, but in many cases hinged on seal failure. All pumps put through a rigid 400-hour constant operation test in the laboratory lost at least thirty per cent of their efficiency.

Much of his time has been spent in perfecting testing equipment. Of the many sprayer metals tested, only stainless steel resisted all of the corrosive chemicals found in various forms of newer herbicides. Some of the metals were badly damaged by the chemicals, but in most cases excessive corrosion could be avoided by keeping the sprayer clean when not in use.

Experimental flame weeding of corn has turned up certain basic facts, Mr. Larson reported. For one thing, a generating-type burner is necessary to overcome the refrigeration effect of the liquefied petroleum gas, propane, in the supply tank. The burners must be staggered so that one burner does not rob an opposite burner of its air supply. The flames should not meet in the row, he pointed out, because it causes them to ricochet, damaging the corn. The burner is best operated at a pressure of thirty pounds per square inch, enough to push the flame through the weeds and yet stop short of the corn.

Mr. Larson concluded that flame cultivation of corn should not be attempted until the corn is one foot high and that flame weeding should be used in combination with cultivating.

LOCATED on Sunset highway at Cannon Beach junction near Seaside, Ore., Falker's Garden Shop was opened in March by Nels M. Falker, owner.

EXHIBITS of wild flowers and shrubs native to San Diego county, arranged by Lakeside Nursery, San Diego, Calif., and the natural history museum, were shown at an open house at the floral association building, Balboa park, San Diego, in March.

### MEL-LO PEAT

A Wonderful Soil Builder



Actual Photograph  
Of Plant Grown with MEL-LO PEAT

Roots like these can be grown by anyone where Mel-lo Peat is used. See our ad in Classified Column.

MEL-LO PEAT CO., Willard, O.

### NO-DRI PROTECTIVE WAX EMULSION

Spray, paint or dip transplanted trees and shrubs to reduce loss of moisture and winter wind burn.  
55-gal. drum....\$63.25 5-gal. drum....\$7.00  
30-gal. drum.... 36.00 1-gal. can ..... 3.00

### RABBIT REPELLENT

Protect young nursery stock. Nonpoisonous. Applied by spraying or painting.  
55-gal. drum....\$74.25 5-gal. drum....\$10.00  
30-gal. drum.... 54.00 1-gal. can ..... 3.00

### BORER REPELLENT

Dogwood and many other ornamental trees should be protected from borer damage. Nonpoisonous. Simply brush it on as directed.

5-gal. drum....\$11.50  
30-gal. drum....\$63.00 1-gal. can ..... 3.00

### C. P. O. INSECTICIDE SOAP SPREADER

Used extensively for twenty years to control scale insects, red spiders, lace bugs, aphids on ornamental nursery stock. Safe for summer use.  
55-gal. drum....\$77.00 5-gal. drum....\$9.25  
30-gal. drum.... 45.00 1-gal. can ..... 3.25

All prices F.O.B. Philadelphia, Pa.

### CRYSTAL SOAP & CHEM. CO., Inc.

6300 State Road, Philadelphia 35, Pa., Dept. AN.

### NURSERY TAGS

Suitable for Labeling

Trees - Shrubs - Plants -  
etc.

Convenient - Economical

PREMIER SOUTHERN TICKET CO., Inc.

1823-31 Dana Ave. CINCINNATI 7, OHIO

### "BRODLEAF" Holland Peat Moss

HALF MOON MFG. & TRADING CO., Inc.  
90 West Street, NEW YORK 6, N. Y.

## HOLLY SOCIETY MEETS.

[Continued from page 8.]

Christmas season. Station posters, menu flyers and ticket enclosures bearing holly motifs are used during the yuletide season to extend Christmas greetings from the B & O's 60,000 employees. This Christmas use of holly by the railroad has resulted in some unusual and extremely valuable publicity for this plant.

Harry William Dengler, extension forester, University of Maryland, College Park, showed slides and discussed many of the activities of Maryland's important holly industry. Included were pictures showing destructive harvesting practices and instances of vandalism in native stands of wild holly. A number of large specimen trees were shown which indicated the extreme variation in foliage, berrying and growth habits that exists among American holly. Pictures of Maryland's holly auction were also shown. A picture of the holly selection, Richards, depicted the characteristic for which this particular variety was selected and named.

Kodachrome slides taken of the 1950 fall meeting of the Holly Society of America at Swarthmore College by the Anthony Goulds, of Washington, D. C., were of considerable interest, too.

### Business Meeting.

President C. R. Wolf opened the business meeting March 30 by calling for committee reports. Secretary-treasurer Charles A. Young, Jr., of Baltimore, Md., reported that the society now has 243 personal and forty-four sustaining members with dues paid through the current year. A comfortable balance was to be found in the treasury.

G. F. Gravatt, senior pathologist, United States Department of Agriculture, Beltsville, Md., announced that nothing new was to be reported in the study of holly diseases. He mentioned that Dr. R. P. True, University of West Virginia, Morgantown, expects to have new greenhouses with facilities for temperature and humidity studies in operation in the future. He hopes then to reactivate the holly leaf spot study on which he had been working.

Wilfrid Wheeler, Falmouth, Mass., chairman of the society's arboretum committee, reported progress in his work with the private and commercial collections of holly. His committee promised a complete and interesting report for the society at the fall meeting.

T. H. B. Boothe, Glen Ridge, N. J.,

# ROOTS prove it! PLANTS prove it!

## Premier Peat Moss

### PEPS-UP YOUR SOIL

**P**REMIER Peat Moss *peps-up* your soil because it absorbs and holds more moisture. And it peps-up your sales because it grows stronger, lovelier, better-selling plants.

Get Premier results—get Premier dependable service by ordering.

### PREMIER CANADIAN PEAT MOSS

—the best in peat moss packaging, with an assortment of bales, bags and cartons for every customer's needs, or

### PREMIER EUROPEAN PEAT MOSS

—the pure sphagnum peat moss. The best value and the best packaging from world-wide resources—available at your nearest port.

98% Organic • Weed-free

Ask about our "Pack-In the Profits" Plan

### PREMIER PEAT MOSS CORP.

535 Fifth Avenue

New York 17, N. Y.



BALES IN 6 SIZES



Plastic Bags



Kraft Paper Bags



Handy Cartons

BAGS AND CARTONS  
FOR REPACKING  
1 Peck to 3 Bu.

## Salem FERTILIZER SPREADERS

All models are equipped with patented, automatic shut-off and selective feed control. Just lift the handle, and the flow of fertilizer stops.

16-in. model illustrated.

A small size for  
small lawns



- Steel construction.
  - Reinforced hopper.
  - 18-in. spreading width.
  - 22-lb. hopper capacity.
- Retail price, \$7.50  
Dealer's price, \$5.25

Send for information on other models.

The SALEM TOOL CO., Salem, Ohio

## No Experience Needed To PRINT YOUR OWN POST CARDS

The GEM STENCIL DUPLICATOR saves money... gets results quickly! Hundreds of uses for every type of business and organization. We ship the GEM complete with all supplies, Guide Board for accurate printing and 60-page Book of Ideas at the special low price of only \$8.50 (a \$15.00 value)



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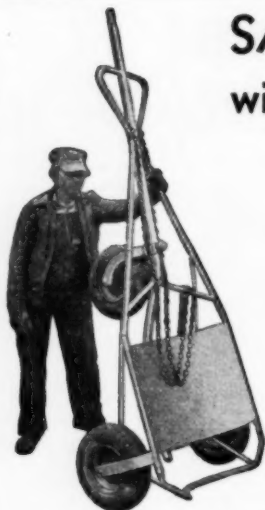
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chairman of the membership committee, indicated that the society is making slow but steady growth. Sixty-six new members were added during the past year. This committee is giving some consideration to the printing of holly stickers for use by members during the Christmas season. These would advertise the society generally and would be particularly useful to nurserymen who sell holly. Definite action on this matter will be taken before September, he concluded.

Dr. C. H. Connors, ornamental horticulturist, New Jersey agricultural experiment station, New Brunswick, reported that work of the variety selection committee is progressing well. As chairman of this committee, Dr. Connors indicated that roughly 100 named and in-the-trade female varieties, 100 personal selections and twenty-five male hollies are now growing at the station's testing grounds. These are all American hollies and are being evaluated for their hardiness and value either as ornamentals or for the production of Christmas decoratives.

Nurserymen and holly hobbyists are encouraged to send hollies for testing and evaluation to Dr. Connors at the station. While one plant of a variety is acceptable, three are preferable. No cuttings are released to anyone without the original owner's special permission. One of the committee members, H. Gleasson Mattoon, holly nurseryman at Narbeth, Pa., is working on the English holly group, Dr. Connors mentioned.

The meetings committee chairman, Harry William Dengler, stated that a number of invitations have been extended to the society for the fall meeting but that it was too early in the year to make a definite decision.

### Holly Information Compiled.

The society's historian, Maynard M. Fulton, Harrisburg Blueprint Co., Harrisburg, Pa., reported that he has now assembled and bound in three volumes over 700 8½x11-inch pages of information on holly. These are photostatic copies of all articles and accounts dealing with holly that have been accessible to him. Many of the articles in these volumes come from rare books outside the reach of even many important libraries.

This work, Mr. Fulton intimated, has been a heartening but personally expensive and time-consuming task. Society members could assist in the compilation of this material for the society's files if they would forward to Mr. Fulton any published items on holly which might be of value.

Mr. Fulton mentioned that he has recently sent to Ambrose Brownell, holly nurseryman at Milwaukie, Ore., additional material which has not yet been bound and filed with the society. Mr. Brownell has a hobby similar to Mr. Fulton's in collecting information on holly. Mr. Fulton hopes that Mr. Brownell will be able to complete volume four for the society's use.

In appreciation of his painstaking work as historian, Mr. Fulton was honored by being appointed as a trustee of the Holly Society of America.

#### Change of Officers.

President Wolf stated that the society's biennial election will be held next November. He appointed the following members to constitute a nominating committee: Herbert Sanders, Millville, N. J.; Edgar S. Diehl, holly nurseryman at Manheim, Pa., and Stewart McLean, holly nurseryman at Towson, Md.

Mr. Wolf announced that secretary-treasurer Charles A. Young, Jr., park forester, Baltimore, Md., has been recalled to active duty as a major in the United States Army. With the approval of the members he has asked the vice-president, Harry William Dengler, to serve as the secretary-treasurer, and Dr. C. H. Connors to serve as vice-president until the fall election.

Compliments were paid to the faithful and thorough manner in which the ex-secretary-treasurer, Major Young, had carried out his duties. The society unanimously approved a motion to provide a suitable token of appreciation for Major Young's activities in behalf of the society.

#### "Lazy Man Propagation."

Edgar S. Diehl, Manheim, Pa., reported excellent success with his "lazy man's method" of propagating holly in a heated coldframe with an automatic watering system. Mr. Diehl constructed a frame of 2-inch lumber, six feet wide, seventy-two feet long and eighteen inches deep. A lead-sheathed heating cable with a capacity of 4,800 watts was laid two inches below the base of the bed. This was thermostatically controlled with a submerged bulb-type thermostat. The cable was then covered with two inches of sand and then overlaid with 2x2-inch mesh galvanized wire. This was to protect the cable from damage while work was being done in the bed. Over this was placed a 4-inch layer of a rooting medium consisting of peat moss and sand.

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frame Mr. Diehl placed 1.2-gallon-per-hour oil burner nozzles, twenty inches apart, for the entire length of the bed. Five thousand holly cuttings were started in early August, 1950. A root hormone was used, but little attention was paid to the type of cutting made. The watering system was then turned on and remained in operation constantly until the advent of cold weather in late November. The prevailing winds automatically "fogged in" the cuttings.

The thermostat was set to turn on heat at 38 degrees; this began to function automatically in late November with the advent of cold weather. Mr. Diehl used five selections of American holly. Most of them rooted well in eight weeks, although one variety was slower to root than the others. At eight weeks, many of these cuttings were too large to be put easily in 3-inch pots.

As of March 28, 1951, more than ninety per cent of the cuttings had rooted and showed growth from bursting buds to approximately one inch of new growth. One hundred unrooted cuttings were placed directly in pots and plunged in the bed with the other cuttings. These likewise took well, Mr. Diehl stated. The frame was heated for seven kilowatts of power per month per square foot, and only 2,000 gallons of water a month were required to water the entire frame.

### Panel on Holly Growing.

In an open panel discussion on how to plant holly, Mrs. A. B. Thacher, South Orange, N. J., stated that, since most early ornamental hollies were obtained as wild plants from woodland areas, the erroneous impression has been gained that hollies prefer acid soils. Now we are finding that hollies do not need too much acid. Hollies need lots of moisture, but they must have good drainage. Air drainage is most important, also; by all means avoid planting hollies in frost packets, Mrs. Thacher admonished. Plant where the daily temperature, especially in winter, does not vary much. Half shade and half sun are just about right; "high shade" is the term for this, she said. This might result in a somewhat slower growth and fewer berries, but this produces more attractive foliage color.

Mrs. Thacher advocates a slight depression around the tree for water retention if planting in the spring and a slight mounding up for fall planting. Mulching with sand around the trunk prevents the formation of





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a damaging frost collar in winter, she finds. Dig your hole much too large, she said, and then it will be just right. Do not pull off the leaves no matter what anyone tells you. Prune with caution, as hollies pretty well take care of their own shapes. Mrs. Thatcher does not like to use peat moss, as she feels that it is much too dead and takes up too much water. She prefers a mulch of good rich humus.

Earle Dilatush, holly specialist at Robbinsville, N. J., discussed his long and varied experience in growing and transplanting holly. He successfully moves large hollies in the spring up until the tree shows one inch of new growth. He prefers, however, to plant in September and October. The trees seem to make better root growth with early fall planting, he stated.

Mr. Dilatush insists on large holes—three times larger than the ball of earth about the roots of the tree to be planted. The topsoil is most often discarded, since he feels it often contains too much lime and harmful doses of fertilizer. The subsoil from the hole is well mixed with good leaf mold and placed around the ball as the tree is planted. Often he uses only leaf mold for filling in around the ball.

After planting, a low ridge for moisture retention is mounded up around the tree at the drip line. Leaf mold is scattered until it is even with the top of the ridge. The tree is now watered thoroughly. This causes the tree to settle just about one inch, which Mr. Dilatush feels is about right. He finishes up the job by scattering underneath the tree about a bushel of cut tobacco stems, cut in pieces about one inch long.

Mr. Dilatush does not advocate the use of fertilizers on holly, not because he feels that they are not good, but because people usually use too much and at the improper time. If he could have only one fertilizer

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it would be cut tobacco stems, he stated. These make the berries color up well and hold on longer and better. He reported that three of his holly trees are now growing at Juneau, Alaska.

Albert S. Walton, Newark, Del., related how he had dug up seedling hollies in the woods, bare-rooted with no feeding roots, and planted them experimentally in rotted sawdust and chicken manure. Excellent feeding roots resulted, he claimed. Mrs. Bernard N. Neal, Atlanta, Ga., reported that she uses large quantities of peanut hulls in the bottom of the holes when planting holly. These are very inexpensive in her area and help to develop wonderful root systems for her many hollies.

Spencer H. Prentiss, Nassau County park, Mineola, N. Y., reported an ever-increasing use of holly in landscaping parks and picnic areas in Nassau county, Long Island. He reported further that his organization recently transplanted 100 hollies up to ten feet tall. These were cut back slightly, shaped up and dug with a 3-foot ball of earth. They were planted in sandy loam with neither fertilizer nor special supplements. A slight depression was formed around each tree and then mulched with a 2-inch layer of peat moss. All of the trees are doing well. Mr. Prentiss believes fertilizer is of little value the first year after transplanting, since feeding roots must develop first to utilize this material. He recommended that more work should be done with espalier hollies. These would appear attractive against either a stone or white frame house.

W. E. L. Lush, North Haven, Conn., reported that he had had difficulty with damping-off of potted holly cuttings of various species. In cooperation with the University of Connecticut he experimented with the use of oxyquinoline, surface feeding each plant with one-half cupful of solution made up at the rate of one teaspoonful of oxyquinoline to three gallons of water. Previous to treatment, thirty-five hollies were lost; now all but one species appears perfectly healthy. A more detailed report on the use of oxyquinoline by the University of Connecticut to control damping-off of seedlings appeared in the April 1 issue of the American Nurseryman.

### Holly Score Card.

Because of an ever-increasing interest in holly and its use in competitive flower, garden and Christmas decorative shows, the society has felt the need for some definite criteria or

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standards for satisfactorily judging holly on the show bench. To Dr. C. H. Connors, of the New Jersey agricultural experiment station, was entrusted the important task of heading a committee to draft a score card for judging holly. He reported that his committee had suggested the proposed schedule of points as follows: Twig on plant: Vigor, 10, and suitability for use, 10. Foliage: Spacing, 5; color, 10; freedom from blemish, 10; character or style, 5, and texture, 15. Fruits: Size, 10; color, 15, and spacing, 10. These make a total of 100 points.

Dr. Connors stressed that this is to be considered only as a tentative score card. After it has been tried out on several occasions it will undoubtedly be necessary to alter it.

#### Holly Folklore.

"Plant Classification, Folklore and the Economics of Holly" was the title of an excellent talk by Donald G. Huttleston, curator of the herbarium at the Brooklyn Botanic Garden. Of the 336,000 different plants growing throughout the world, the holly family contains about 300 different species. The largest number of holly species are to be found in South and Central America, and about fifteen species are native to the United States.

Holly has been known and venerated since time immemorial. The custom of decorating houses with holly probably originated at Rome, where it was used extensively during the feast of the Saturnalia in Decem-

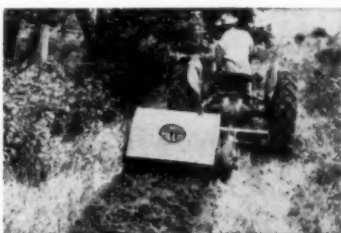
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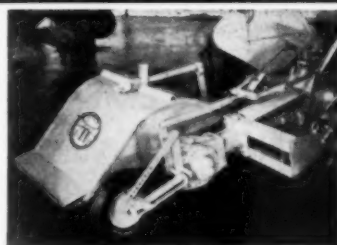
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ber. The ancient Druids decorated their houses with holly to furnish a haven for sylvan spirits in order that they might have protection from the vigorous winter weather.

During Elizabethan times in England holly became inextricably entangled in superstition and witchcraft. Sprays were placed on window-sills and hung over doors not only at Christmas but at other times of the year, since holly was thought to be distasteful to witches and evil spirits. In Victorian times bird lime was made from holly bark. The bark was buried and allowed to decay into a gummy substance. After cleaning and refinement, the sticky lime was spread on tree branches to enslave small birds.

The greatest commercial value of the hollies is not, as one might think, its use for Christmas decorations. Throughout South America the drink yerba mate, made from the leaves of *Ilex paraguariensis*, is so popular as to rival the popularity of coffee and tea. Mate contains more caffeine than coffee and as much as the finest tea. It has an advantage over both these drinks, Mr. Huttleston said, in that it contains no tannin. Over 5,000,000 pounds are exported annually from Paraguay alone.

*Ilex cassine*, a holly of southeastern United States, is used to a certain extent in much the same fashion as its South American relative. In fact, at one time, the Congress of the United States appropriated \$5,000 for research with a view to popularizing this drink. Some thirty years ago the beverage was extolled highly and the prophesy was made that the drink would eventually displace tea and coffee as a breakfast beverage.

### How Plants Grow.

In order that members of the holly society might become more familiar with the intricate processes of plant growth, Dr. W. Reid Robbins, department of plant physiology, Rutgers University, New Brunswick, N. J., presented a well illustrated talk on "How Plants Use Water and Plant Nutrients." Obtaining and maintaining an adequate supply of water is one of the chief problems of plants growing in upland soils, he stated. Water is absorbed almost entirely through the roots and lost largely through the leaves. The most important factors affecting the absorption of water are water content of the soil, the health of the roots and the activity of these roots.

Since water absorption occurs largely through root hairs and the youngest portions of the roots, it is



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essential that these be living and healthy. To be healthy they must have an adequate supply of oxygen. This emphasizes the great importance of good soil drainage. A deficiency of adequate mineral nutrients, such as calcium and boron, insure or prevent the active growth of root hairs and young root tips.

Dr. Robbins stated that the principal factors affecting the loss of water from the leaves are temperature, light intensity, wind currents and relative humidity. The balance between absorption of water by the roots and loss from the leaves determines the water supply within the plant. When the rate of loss from the leaves exceeds the rate of water absorption, water tensions develop in the plants and water may be withdrawn from fruits or other parts of the plant.

When the water content of the soil is low, the plants may be unable to absorb certain essential nutrients at adequate rates. The importance of a minimum adequate supply of calcium to make possible the active growth of roots and root hairs, which in turn are necessary for the absorption of both water and soil nutrients, cannot be overemphasized, Dr. Robbins concluded.

#### ST. LOUIS MEETING.

The April meeting of the St. Louis Landscape and Nurserymen's Association was held Monday, April 9, at the American Legion Hall, St. Louis, Mo. Chairman Herman Otterman presided. August Beilmann, superintendent at the Shaw's garden extension at Gray Summit, gave an illustrated talk on native plants which can be used to good advantage in landscape work in this area. Refreshments were served at the close of the meeting.

#### CONSERVATION TOUR.

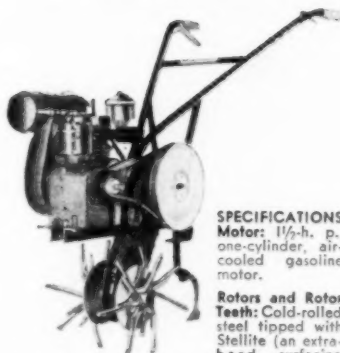
Nurserymen in Lake county, Ohio, witnessed a demonstration-discussion of soil conservation and fertility practices March 27, at a meeting sponsored by the supervisors of the Lake county soil conservation district. The group met at 2 p. m. at the nursery of Melvin E. Wyant, Mentor, and there, as well as later at the Mentor Heights Nursery, Mentor, saw the use of diversion ditches and cover crops on heavy soils for soil conservation purposes. Afterward the group visited the Cole Nursery Co., Painesville, to see contour planting and meadow stands on light soils.

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**Motor:** 1 1/2-h. p., one-cylinder, air-cooled gasoline motor.

**Rotors and Rotor Teeth:** Cold-rolled steel tipped with Stellite (an extra-hard surfacing material).

**Cultivating Depth:** Up to 10 inches.

**Cultivating Width:** With standard rotors, 12 inches; with double rotors, 24 inches.

**Full Power single outside reduction.**

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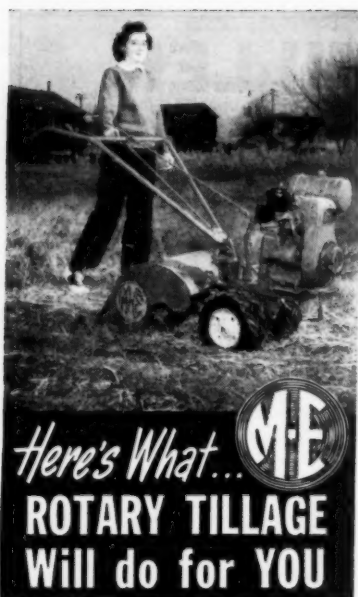
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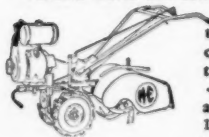
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**ROTARY TILLERS**

Milwaukee Equipment Mfg. Co., So. Milwaukee, Wis.

### CHARLIE CHESTNUT.

[Continued from page 11.]

ing to use it again until next deer hunting season. Then you will have to take back that box off the top of the trailer, I cant hold it in the road with all that stuff on the top. Bring some wire and I can tie some of the stuff on the side and some on the bottom of the trailer, I got it all figured out. I'll be waiting there by the cemetery east of town," he says.

It was after 4 o'clock when I got him going again headed south. I watched him weaving back and forth on the road as he crawled along at a brisk 20 miles a hour. I went back home and stopped at Steamboat Ful-ton bar to give a report to the boys there. "I'll put on a free coon dinner to all the boys, if Emil makes it to Florida in that outfit," Steamboat says.

"You better be getting your coon dogs in shape, Steamboat," I says, "because its a 50-50 chance the old boy might pass a miracle and turn up in Florida after all."

Three days later I got a postal card from Emil. "Dear Chas." he wrote, "we are camped about 10 miles south of Peoria in a farmers yard. One of the tires on the trailer went bad and I aint been able to locate a 20 inch tire within 30 miles of here, I been all over. I may have to change wheels, and get a different size. All of Emma's canned beans froze stiff in the cans and we had to throw them out. I aint got enough heat in the trailer, Emil."

The following tuesday comes another postal as follows, "Dear Chas.: I was lucky to find a tire that I could get by with, it aint just the same size and it makes the load lopsided, but we are rolling again. Expect to be in Kentucky tomorrow night. Emil. P. S. I meant to stop in Ky. at one of the members, but I cant think of his town. I may run onto him as Ky. aint a very big place."

The next day was a special delivery from the same place. "Dear Chas.: Look in that pile of bills I aint paid yet, the name of that member from Kentucky I was telling you about is in that pile. I bought them Red Bud from him last spring. Maybe if I pay him I can stay at his place until I can get my trailer fixed. That tire aint working out just right, things keep running off to the middle of the road all the time, so I have to drive with my front wheels off the road to keep the back end on my side of the pavement. That aint right you know Chas. so I have decided to look up that member and



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Well known to the nurserymen of the country.

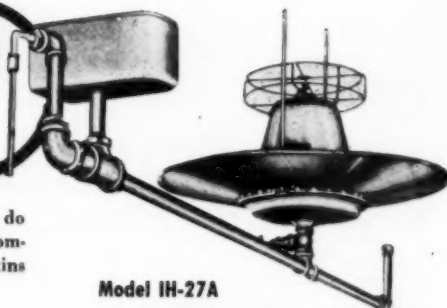
Reference: Bank of Louisiana.



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PAWTUCKET, R. I.

stay at his place until I find some different tires. Send his name and where he is at. Emil."

That day I wrote to Emil as follows: "Dear Emil: You have your dates mixed, that was two years ago you bought the redbuds and furthermore that member wrote you never to bother him again and I will quote from his letter just to refresh your memory as follows," I would sue you for this bill but I understand you are judgement proof, so if you ever set foot in Ky. I will bust you in the face." So you see Emil you better push on and not bother with looking up this member from Ky. Yours, Chas. P. S. We are out of oats for Victoria, do you want me to get some more or shall I start in on the rye straw, you know what happened when she ate the rye straw before."

I didnt hear anything again for over a week, in fact he had been gone nearly four weeks when I get the following letter. It was from Black Mountain Gulch in Ky. "Dear Chas.: We have been laid up here for several days on account of I had to put a new rear end in the Chevvy. That trailer pulling sideways all the time shook something loose and as I was going up a mountain grade the whole rear end busted. We was twelve miles from any town so I set up my camp and started to reconioiter for parts. Fortunately I found a 1934 Chevvy just like mine. It was laying along side the road, so it didn't cost me nothing. Good thing I brought my tools, as we are all set again and pulling out in the morning for Tennessee. We should be in Florida by Saturday if we dont hit any more snags. Yours, Emil."

Last saturday we had a big coon dinner at Steamboat Fultons place. It was free on Steamboat on account of a letter I got from Emil early in the week. Probably I better put the whole letter down so the members can get the full report of how it come

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that the letter was postmarked from Rattle snake Bend, Florida.

"Dear Chas.: As you will see we are in Florida, we are staying at a motel and not in no trailer. They are asking \$10 a week here but I am scouting around for a cheaper place. It all come about when we left that place in Tennessee. That morning I was just getting nicely started on the highway minding my own business when a big semi truck come at me at a intersection. He hit the trailer right in the middle and knocked it clean over in the ditch. Emma didnt put out the oil stove after breakfast so the coal oil spilled over everything and before I could get pulled up on the side of the road the trailer was a raging mass of fire and all my stuff in it. Good thing I had my goose gun in the car. The truck driver come right over and he says, Whats your name and address and all that stuff. But I come right back at him, I says it is going to cost you plenty and you will be lucky if you dont go to jail for hitting me that way. He took me into Jackson to his office and the insurance company was there too and when I started to tell them that Emma's back was sprained and it might run into a big claim, they didnt loose no time in giving me a check. I even got \$20.00 for them hip boots that I bought second hand twelve years ago for \$3.00. Altogether we got \$755.40 damages. Dont put that part in the paper, Chas., just say I had an accident, but fortunately nobody was killed etc. Fix up a good story for the Gazette, Chas. By the way I had my set lines out last night, I got these off the trailer after the adjusters left, and you should see what I got Chas. They call them mud hogs here, but they are good eating, only a little mucky, about like a dogfish up home, Chas. So long, Emil."

THIS spring a new garden shop will be opened by the W. J. Hagedorn Nursery, of Cincinnati, O., to be operated in conjunction with the nursery.

OWNER of the International Botanical Gardens, Route 1, Box 16, Newark, Calif., is Thomas R. Nickee, who opened his nursery business last fall and is growing stock on an acre of land.

Remodeling and expansion work, which was begun the past autumn at Fuchs' Garden & Nursery, Lewistown, Ida., has been completed, and the establishment is open for business under the new name, Fuchs' Flower & Garden Shop.

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## LABELS FOR NURSERYMEN

THE  
BENJAMIN CHASE  
COMPANY  
DERRY, N. H.

## PLANT NOTES.

[Continued from page 17.]

with stems of pink or whitish flowers two feet or more tall. The last group proved to be excellent fillers of bouquets, and I thought they were destined for some popularity in the cut flower field. Then World War II intervened and they dropped from sight. The purpose of this note is to bring the matter to the attention of other investigators, with the hope that heuchera hybrids may still come into their own.

### Campanula Glomerata.

*Campanula glomerata* and a number of its varieties have been known and used by gardeners for a long time, yet despite this and the fact that it is one of the few good cut flower campanulas, it is not used by moderns as much as it deserves. Campanulas, as a rule, are not well fitted for use as cut flowers; their very nature precludes such usage.

The type grows about twelve inches tall, with flowers in terminal and axillary clusters, three inches or more across, and it may be had in light blue, dark blue or white. Better, though, for cut flower purposes, is *C. glomerata dahurica*, a plant eighteen inches or more tall, with rich purple flowers during June and July. It is possible to cut these with long stems, and the flowers last well in water.

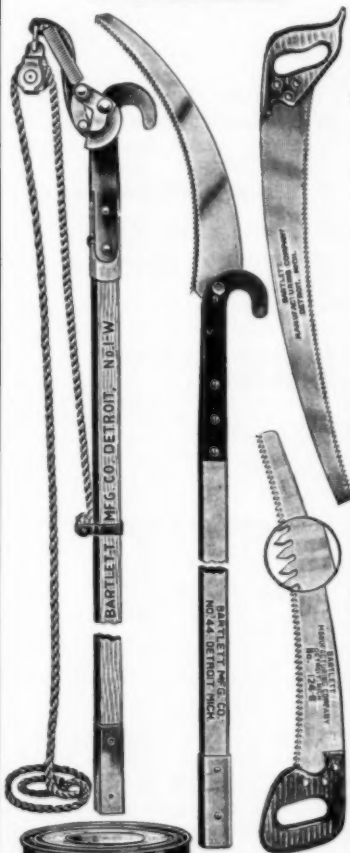
The rock gardener was not forgotten, either, when the glomerata section of campanula was being evolved, for we find *C. glomerata acaulis*, with dahuricalike flowers in typical clusters. The flowers and clusters are too large for such short stems, but the plant possesses sufficient merit to claim some attention from the garden maker.

All glomerata forms come readily from seeds and are easily grown in the garden, needing no more than ordinary border treatment. Perhaps a word of caution about their spreading habits should be uttered so unwary gardeners will not place them too near frail plants.

OPENING of a new office and salesyard at 2120 Portsmouth street, Houston, Tex., has been announced by R. C. Suggs, owner of Suggs Landscape Co., Houston.

NEW members of the staff at LeRoque's Nursery, Temple City, Calif., are Ralph Morris, general manager, who was formerly manager at Germain's, Inc., at El Monte, Calif., and Owen H. Peters, landscape architect.

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## CATALOGS RECEIVED.

### WHOLESALE CATALOGS.

Mount Arbor Nurseries, Shenandoah, Ia.—General nursery stock; wholesale bulletin No. 1, March 16; 72 pages, 6x9 inches.

### WHOLESALE PRICE LISTS.

Behnke Nurseries, Beltsville, Md.—Annuals, perennials, bulbs and shrubs; 48 pages and cover, 6x9 inches.

Eastern Nurseries, Inc., Holliston, Mass.—Evergreen and deciduous trees and shrubs, perennials and rock garden plants; 16 pages and cover, 4x9 inches.

Le-Mac Nurseries, Hampton, Va.—Azaleas; 6-page folder, 4x9 1/4 inches.

Mitsch Nursery, Aurora, Ore.—Coniferous and broad-leaved evergreens, heathers and hardy perennials; 16 pages and cover, 4x9 inches.

### RETAIL CATALOGS.

Corliss Bros., Inc., Nurseries, Gloucester, Mass.—General nursery stock; 64 pages and cover, 5x9 inches.

Cottage Gardens, Lansing, Mich.—Evergreens, flowering trees and shrubs, fruit trees and berry bushes; 12 pages and cover; 4x9 inches.

Home Nursery, Lafayette, Ill.—Evergreens, shade trees, rosebushes, fruit trees and small fruits; illustrated; 24 pages and cover, 6 1/2 x 10 inches.

Jones Ornamental Nursery, Nashville, Tenn.—Trees and shrubs, roses, flowering bulbs and roots; 24 pages, 4x9 inches.

Keith's Plant Nursery, Sawyer, Mich.—Berry plants; illustrated partially in color; 24 pages, 8 1/2 x 10 1/2 inches.

Leesley Nurseries, Libertyville, Ill.—Trees, shrubs and evergreens; 32 pages and cover, 5x7 inches.

Mission Gardens, Techny, Ill.—General nursery stock; 56 pages and cover, 6x9 1/4 inches.

Norfolk Nursery, Simcoe, Ont.—Trees and plants for Canadian orchards and gardens; 56 pages and cover, 5x8 1/4 inches.

Rosedale Nurseries, Eastview, N. Y.—Evergreens, flowering trees and shrubs, fruits, roses, etc.; illustrated, partly in color; 36 pages and cover, 9x12 inches.

I. W. Scott Co., Pittsburgh, Pa.—Vegetable and flower garden seeds and supplies; illustrated; 100 pages and cover, 7 1/4 x 10 inches.

Weston Nurseries, Inc., Weston, Mass.—Trees, evergreens, shrubs, vines, perennials and roses; 72 pages, 6x9 inches.

Wilmot Holly Co., Narberth, Pa.—Holly, illustrated; 32 pages, 4x9 inches.

Woodstock Nurseries, Ridgefield, Conn.—Trees, shrubs, fruits and roses; 48 pages, 4x9 1/4 inches.

### RETAIL PRICE LIST.

Nut Tree Nurseries, Downington, Pa.—Nut trees; 8 pages and cover, 4x9 inches.

GUEST speaker at the March meeting of the Wichita Garden Club was T. Livingston, of Livingston's Flower Gardens, Wichita, Kan.

Grand opening of a new office and showroom by Leo Brandt & Sons, Robbinsdale, Minn., was the occasion for an open house held March 17 and 18.

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